



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution

SIDDARTHA INSTITUTE OF SCIENCE
AND TECHNOLOGY

- Name of the Head of the institution **Dr. M. Janardhana Raju**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**
- Phone No. of the Principal **8297114999**
- Alternate phone No. **8297115999**
- Mobile No. (Principal) **8297114999**
- Registered e-mail ID (Principal) **principal.4e@jntua.ac.in**
- Address **Siddartha Institute of Science
and Technology, Narayanavanam
Road, Puttur, Tirupati District,
Andhra Pradesh, PIN Code - 517583**
- City/Town **Puttur**
- State/UT **Andhra Pradesh**
- Pin Code **517583**

2.Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy) **28/05/2018**
- Type of Institution **Co-education**

- Location **Rural**
- Financial Status **Self-financing**
- Name of the IQAC Co-ordinator/Director **Dr. Bathina Sreenivasulu**
- Phone No. **9985908752**
- Mobile No: **9985908752**
- IQAC e-mail ID **iqacsistk@gmail.com**

3.Website address (Web link of the AQAR (Previous Academic Year)) <http://www.sistk.org/AQAR/2020-21%20AQAR.pdf>

4.Was the Academic Calendar prepared for that year? **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: <http://sistk.org/downloads/academic%20calendar%202021-2022.pdf>

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.03	2016	29/03/2016	31/12/2023

6.Date of Establishment of IQAC **13/07/2015**

7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
NIL	NIL	NIL	Nil	NIL

8.Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI [View File](#)

9.No. of IQAC meetings held during the year 4

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? **Yes**
- If No, please upload the minutes of the meeting(s) and Action Taken Report **No File Uploaded**

10.Did IQAC receive funding from any funding agency to support its activities during the year? Yes

- If yes, mention the amount **Rs. 30,000**

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

? Regular meetings of Internal Quality Assurance Cell (IQAC) & Timely submission of Annual Quality Assurance Report (AQAR) to NAAC.
 ? Successfully organized the NAAC funded "Two day National Seminar" on "Role of IQAC in Evaluation and Analysis of Academic and Administration Audit for the Excellence in Higher Educational Institute in view of NAAC framework", on 17th & 18th June 2022. ?
 Employability is created for maximum number of students. ?
 Participation in NIRF. ? Collection, analysis of Feedback from all stakeholders and action taken for continuous improvement. ?
 Facilitating faculty through UHV Course & students through events related to ethics. ? Guiding the departments in organizing the quality improvement programs and encouraged faculty to attend seminars, workshops, conferences etc. ? Students are encouraged to undertake study projects and for higher studies.

12.Plan of action chalked out by IQAC at 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
Improving Ethics in students and Faculty through various training and training in UHV course	Faculty trained through UHV Course & students through events related to ethics
Increasing Employability	Employability is created for maximum possible number of students
Proposal for NAAC Seminar	NAAC seminar was granted and conducted successfully
Guiding the departments in organizing the quality improvement programs	All the departments conducted quality improvement programs for students & faculty.

13. Was the AQAR placed before the statutory body? Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Body	24/02/2023

14. Was the institutional data submitted to AISHE ? Yes

- Year

Part A

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Governing Body	24/02/2023
14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	
Year	Date of Submission
2021-22	11/01/2023
15. Multidisciplinary / interdisciplinary	
<p>The Siddartha Institute of Science and Technology supports a multidisciplinary approach to curriculum integration that puts a significant emphasis on the various disciplines and the variety of approaches. A multidisciplinary curriculum analyzes a specific topic from the perspective of various disciplines.</p> <p>Multidisciplinary engineering improves student learning and makes it convenient to explore multiple engineering disciplines at once, which supports pursuing a variety of engineering careers. Project Planning and Control is one of the many multidisciplinary courses we offer at our institution. Neural networks and fuzzy logic, computer-aided process planning, strategic management, elements of road traffic safety, non-conventional energy resources, business ethics, and other topics are covered in open electives, and students are also encouraged to enroll for MOOCs on advanced or industry oriented subjects offered by SWAYAM/NPTEL platforms.</p> <p>A student who adopts a multidisciplinary approach obtains a wide range of abilities that are applicable in a variety of employment environments, including problem-solving, critical thinking, time management, self-management, communication and writing, analytical and research approaches, teamwork, and much more. Students may choose additional courses in minor specialization</p>	

groups offered by a department other than their primary department if they wish to explore their areas of special interest outside of their primary engineering discipline. For instance, if a student of mechanical engineering chooses courses from civil engineering under this approach, he or she will receive a major in mechanical engineering and a minor in civil engineering.

16.Academic bank of credits (ABC):

We are not registered with ABC because Jawaharlal Nehru Technological University Ananthapuram is affiliated with our institute (JNTUA). All of the student data sheets will be uploaded into ABC by the university. We intend to implement the same as an Autonomous institute.

17.Skill development:

A good engineer must be the optimal integration of all the knowledge in his field and practical life skills. Life skills bring tremendous refinement in professionals' and engineers' behavior; they prepare them for the change and the way to approach their professional work, job market, and finally their life. For the development of technical and soft skills among the students and teachers, our college collaborated with government organizations including APSSDC and APITA as well as several private organizations. For the benefit of the students, we have developed a variety of common courses like Communicative English, English for Corporate Communications Skills Lab, Human Values and Professional Ethics, as well as several technical skill development programmes connected to the various fields.

The current technologies in the respective domains are addressed through workshops, seminars, and guest lectures organised by all the departments. Through industrial visits and talks from industry professionals, students are introduced to the industry. Through internships, students are encouraged to undertake industry training. We also provide additional courses on advanced technical and soft skills. Engineers need to be creative and imaginative thinkers with a focus on problem-solving in order to stay competitive in this era of growing automation.

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

In order to impart the knowledge or procedures transferred down from generation to generation that are a part of the traditions or heritage of Indigenous communities, our curriculum focuses on

Indian traditional knowledge by offering courses like Essence of Indian Traditional Knowledge, Indian Constitution, and Environmental Science. In order to emphasize the importance of significant days and to impart knowledge, the college also celebrates events by organizing a wide range of events, including seminars, awareness programmes, painting competitions, and other competitions.

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

Outcomes-based Teaching and Learning (OBTL) is a curriculum design framework in teaching and learning that helps you focus on "first identifying the intended outcomes or goals of a module or programme and then aligning teaching, learning, and assessment to maximize the likelihood that students achieve those outcomes. The institute prepares curriculum with courses covering the basic sciences, humanities, core, electives, multidisciplinary, skill course and management course by distributing the credits among all as per the guidelines of AICTE. For each course the course outcomes are clearly defined and assessment is done at the end of course by assessing the students performance in internal and external marks as well as with the course end survey. The remedial actions are incorporated to achieve the course outcomes during the course. The program outcomes are also assessed at the end of program to know the graduate attributes are achieved by the curriculum, teaching methods, additional activities conducted during the assessment period. This procedure affirms teachers as facilitators, rather than lecturers. In this model, teachers guide students through learning with scaffolds and hands-on activities to support student engagement with new material and encourage the application of developing knowledge and skills. Results showed that the OBE approach improves competency in knowledge acquisition. the program outcomes defined by the national Board of accreditation has been taken for graduate outcome calculations. every year the outcomes are assessed and reviewed to improve further.

20.Distance education/online education:

Online or distance education are not offered at our institution.

Extended Profile

1.Programme

1.1

11

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 1747

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 431

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 1731

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1 258

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 174

Number of full-time teachers during the year:

Extended Profile

1. Programme

1.1 **11**

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2. Student

2.1 **1747**

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

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File Description	Documents
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Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3. Academic

3.1 **258**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	174
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	09
Number of sanctioned posts for the year:	
4.Institution	
4.1	321
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	55
Total number of Classrooms and Seminar halls	
4.3	920
Total number of computers on campus for academic purposes	
4.4	42367484
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The Institute follows a systematic process for developing the curriculum of all departments. It synchronizes the factors based on the syllabus of various reputed Universities, global changes in the field of Engineering and the model curriculum prescribed by AICTE & APSHE, Syllabi of various competitive exams like GATE, IES, etc,

Development of curriculum in accordance with Institution and Department's vision & Mission, PEOs and PSOs of the departments. The accreditation boards like NBA's graduate attributes POs are addressed. It is a collaborative process in which feedbacks and suggestions are collected from stakeholders, including employers, Alumni, Faculties & students and ensures that the curriculum is relevant to the local, regional, national, and global developmental needs. Course coordinators will prepare the syllabus for various courses has been checked by program coordinator. The Department Academic Committee (DAC) finalized the draft syllabus. The Board of Studies discussed and forwarded to Academic Council for final approval. Students are given opportunities to learn interdisciplinary courses through open electives. Undergoing MOOCS courses through NPTEL are mandatory to develop the self-learning skills. Internships, skill courses can update the students' knowledge multifariously. In the preparation of curriculum, eminent academicians, Industry persons, Faculty and alumni are involved.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	http://www.sistk.org/

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

8

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

338

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

116

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

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

9

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

In view of integrating the cross cutting issues related to

gender, environment and sustainability, human values and professional ethics, the College organizes different programs under various cells and also include different courses like human values & professional ethics, environment science etc. for the holistic development of students.

Human Values and Professional Ethics

A course on "Human Values and Professional Ethics" is offered as mandatory Subject. Social development activities like blood donation camps, health check-up camps, awareness program on Road safety, awareness camps on social issues organized by NSS.

Gender Sensitivity

There are many platforms for hands-on experiences related to gender sensitivity which enable students to interface with real life situations such as field work, community outreach, and gender sensitization activities under Gender Championship cell, where equal proportion of participation from boys and girls is maintained. The women empowerment cell/Women Protection cell is functioning effectively to explore immense potential of girl's students in all aspects, providing a congenial environment for them.

Environment and Sustainability

An audit course "Environmental Science" is included in all UG programmes. Industry visits and field excursions were structured for students of all programmes. Environment Day, Earth Day, Water Day are organised every year by Eco club.

The institute promotes sports and cultural activities to the students in the college by conducting various events.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

27

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

2566

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

94

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	http://sistk.org/departments/ece/feedback.php
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	http://sistk.org/
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

606

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

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

321

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

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Every year, a bridge course is organized by the institute for the students of the program to get familiar with core engineering and technology..

Based on academic performance in MID and university end examinations, all students are assessed into two categories as slow learners and advanced learners. Students securing 60% and above in MID and university end examinations are identified as advanced learners. And remaining students fall under the slow learner's category in academic performance.

The following are the functions of the Advanced and slow learners system:-

Advanced learners are:

- Motivating to participate the technical and non-technical events within the institute and other institutes to get acquainted with the recent trends in the core engineering and technology fields.
- Giving challenging assignments to have an improvement in the problem-solving environment with the use of different methodologies.
- Giving the opportunity in the different office-bearing roles in the department association activities to improve interpersonal and team lead capacities.
- Motivated and guided to improve the CGPA score and attend GATE-like competitive examinations.

Slow learners are:

- Guided to take Remedial classes to improve their academic performance with additional care.
- Regular monitoring by the counsellor in all academic activities and motivated in other aspects as well.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.sistk.org/departments/ece/ececOURSEMATERIALS.php

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
25/05/2022	1747	174

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

To enrich the student learning experiences in the courses, student-centric methods are being adopted. To inculcate and support the student-centric learning environment in the institution, all the essential facilities are incorporated and well-maintained.

The teaching-Learning methods such as Participative learning, Experimental learning and Problem solving methodology have been effectively incorporated.

Participative learning:

Events like Seminars, webinars, guest lectures, hands-on workshops and training programmes are organised with the eminent academicians and industrial experts as resource persons to fill up the gaps in the knowledge level and trends between academics and industry. Various technical events are conducted through the department association activities in every academic year, which brings confidence to the students on their talent and skills. Students are encouraged to participate in various online courses which enhances their technical skillset.

Experimental learning:

Students are encouraged to acquire industry ready experiences through internships, participate in industrial training and industrials visits to the eminent industries like SHAR, NARL and BSNL. By these experimental learning, students can corelate the theoretical knowledge to the industrial need.

Problem Solving Methodologies:

Tutorial classes are being conducted for analytical courses by implementing different pedagogical tools such as collaborative learning, group tutorial for shaping their problem solving skills.

File Description	Documents
Upload any additional information	View File
Link for additional Information	http://www.sistk.org/departments/ece/ececOURSEMATERIALS.php

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

Availing the ICT facilities is the foremost successful tool for improving the students' basic understandings toward complex concepts enhances the contemplations in engineering, communication skills and problem solving. Hands-on trainings are arranged to faculty members to adapt the ICT technologies and its effective uses. In additions, many FDPs are arranged in the institution and encouraged to participate in such events organised by the reputed institutions as well.

To cope up with the ICT technologies, institute provides the facilities like the modernised recording studio, 300 Mbps high speed internet access and pen tablet for the effective teaching and learning. All the courses taught through ICT tools to supplement traditional classroom instructions.

Virtual labs and other simulation tools are used for the demonstration and better grasping of intricate engineering concepts. Students are provided with the PPT, recorded video sessions' links, online video links for quick references. Classrooms and seminar halls are equipped with the LCD projectors and internet facility.

Also our faculty members and students are the members in National Digital Library of India (NDLI) which provides access of most of the resources to learner's community through a single window by National Mission on Education Through information and communication technology (NMEICT).

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://drive.google.com/drive/folders/162SIqUdRsevEx0D7A68ymnRPC_EnkPEn
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

85

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

In discussion with the heads of all the departments and examination cell, the academic calendar is prepared which has commencement of classwork, MID examinations, End semester examinations. According to this academic calendar, all the department activities are to be planned. After approval by the academic committee, it is circulated to each department, faculty, and students through the institution's website.

Faculty prepare the lesson plan and course information sheet in accordance with the academic calendar, and the department academic committee scrutinize the lesson plans. For each course assigned to the faculty, course materials, PPTs, and lecture notes are prepared. Before the commencement of class work, class time tables and individual faculty wise time tables are prepared and distributed to the concerned after the approval of the head of the institution.

The following are the contents in the course file:

- Vision and mission (Both institution and Department)
- Syllabus copy (Relevant regulation)
- Course information sheet with CO-PO Mapping
- Lesson Plan (Unit-wise detailed lecture plan)
- Handwritten Lecture Notes by the concerned faculty (As per the ongoing regulation)
- Question Bank
- Bit bank
- Previous end and MID examinations question papers
- PPTs (Soft version)
- Video Lectures
- Assignment and Tutorial Questions

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

9

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

24

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

779

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

15

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

48

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Examination cell in the institute ensures the disciplined and reliable implementation of all the MID and End Examinations and evaluation process to the students. All the assessment and evaluation processes are strictly implemented and performed impeccably.

Academic calendars, the rules and academic regulations, course structure and syllabus of the concerned course are hosted in institute web site to be informed to all the stake holders prior to every academic year starts.

There are two assessment processes being followed by the institution to each course. They are continuous internal evaluation and end semester examination.

For End semester examinations, two sets of question papers are prepared by the other institute faculty holding doctoral degree and the preparation should include BLOOMS Taxonomy levels accordingly. Scheme of the evaluation of the question papers shall be prepared in a clear and detailed way with subdivisational marks.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.sistk.org/exam_cell_notifications.php

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

The course outcomes (COs) are constructed to each course based on the BLOOM'S taxonomy and Programme Specific Outcomes (PSOs) are framed for all the programmes. Program Educational Objectives (PEOs), PSOs and COs are formulated by the concerned department and disseminated to all the stakeholders. The department collects the inputs from different stakeholders, analyse and prepares the PSOs. These PSOs are then forwarded to Department Academic Committee for review, and then final version of PSOs are approved by the BoS and Academic Council.

Guidelines for CO formation:

1. There are six COs must be defined by incorporating the Blooms taxonomy levels and verbs.
2. COs should be defined for the entire course but not unit wise using single or multiple actions verbs.
3. The questions to be prepared must be mapped with the COs, be clear and achievable.

Mechanism for publication and dissemination:

The Process for publication and dissemination of the Vision, Mission of the Institute/department, Cos, POs, PEOs and PSOs of the programme are carried out by the below listed mechanism:

1. Displayed at prominent Places in the department
2. Brochures and catalogues of the department
3. Syllabus Copies
4. Laboratory records
5. Department Magazine and Newsletters

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	http://www.sistk.org/departments/ece/ecec_coursematerials.php

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

Six course outcomes (Cos) are constructed to each course using BLOOMs Taxonomy, and these Cos are evaluated for attainments through assessment tests and end-semester examinations. Continuous Internal Examination (CIE) results is obtained from MID-I and MID-II examinations with objective and descriptive questions, Two Assignments and end-semester examinations. The weightage of marks is 40% for internal examination and 60% for the end-semester examination.

Following are the steps to measure the course outcomes:

- Fixation of Targets for the COs.
- Setting of questions at the appropriate Bloom's Taxonomy levels.
- Specifying the COs and Bloom's Taxonomy level for each question.
- Posting of the marks for each assessment for each student.
- Calculate the CO attainment for each student and each course.

PO / PSO attainment is computed by Direct and Indirect attainment of COs with weightage 80% and 20% respectively.

Direct attainment: It is calculated for the weightage of 80% comprising Continuous Internal Examinations (CIE), assignments and end semester examination marks. The CIE is calculated using MID examinations marks having descriptive marks (20 marks) and objective marks (10 marks) **Indirect Attainment:** It is calculated for 20% weightage based on the course end survey obtained for the individual subject at the end of each semester

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.sistk.org/ug_qn_bank.php

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

420

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	http://www.sistk.org/downloads/Annual%20report%202021-22.pdf

2.7 - Student Satisfaction Survey

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

<http://sistk.org/mt-content/sss/SSS2020-21.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The institute provides necessary facilities and a conducive environment to promote research in the campus. The Research policies are clearly defined and communicated to all the stake holders.

The institute is providing seed funding based on the merit of proposals submitted by faculty and student. The faculty and

students are encouraged to present their ideas / project proposals before the Research Advisory committee (RAC) for getting the sanction of seed funding.

The faculty are given freedom to choose the research area of their choice and guidance is given to seek funding from various funding agencies. The institute encourages the faculty by providing incentives for peer reviewed publications, writing books and filing patents. The institute takes care of patent filing, which is governed by the Research Policy of the institute.

A detailed review is done for proposals seeking funding from various funding agencies by R&D cell and RAC. Research labs are established in departments with latest equipment's for carrying out research activities.

The Institute is providing On Duty, financial and support to all the faculties for attending workshops and conferences related to their research areas. Institute is conducting awareness programs on trending research areas with help eminent Academicians from various institutes.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	http://www.sistk.org/policies/R&D%20Policy.pdf
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

2.08

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

62

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	View File

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

0

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

0

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

1

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

0

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The Institution provides a conducive environment for promotion of Innovation and Incubation. All required facilities are provided and guidance is extended to the students. Students are encouraged to actively involve in the application of technology for societal needs. Necessary support is provided for

Documentation, Publication of Research Papers and also for obtaining patents.

The Institution provides technology awareness meets, workshops, seminars and guest lectures on Entrepreneurship to students and faculty. Students are provided opportunities to directly interact with outstanding entrepreneurs excelling in their field. Product service Training is provided for creating awareness on marketing the products.

The Institute innovation centre is consists of four sub cells namely Idea Park Cell, Innovation cell, Techno Park cell and Innovation Management cell. The Research Cells in the departments and this would be an added advantage to the students to develop their projects / Prototypes in In-House.

Financial support is extended to the students for exhibiting their models at the Idea Generation Contests, Competitions held by other organization through NIDHI(SSS) scheme and Siddarth Technology- Business Incubator Scheme (STBI) which running in the sister concern college Siddarth institute of engineering &Technology.

Students are provided with an opportunity to acquire skills for commercialization of their product.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.sistk.org/iicabout.php

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

3

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

E. None of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

1

File Description	Documents
URL to the research page on HEI website	NIL
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

8

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

0

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

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

15

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

45

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)**14.548**

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year**1.14**

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	View File

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

The College was allotted a National Service Scheme (NSS) Unit by JNT University Anantapuramu. About 100 students have enrolled their names as NSS Volunteers. The motto of NSS is 'Not Me But You'. Service to mankind is service to god. Imparting such values and attitude in to students is the motive of the institution.

Believing in this, the institute carries out a number of extension activities in the neighbourhood community. During Independence Day and Republic day, the NSS students coordinate with the other clubs of the institute to demonstrate on current social problems through parades, rallies.

Tree plantation was done at campus. Planted thousands of samplings to make green & clean. Due to this tree plantation air pollution is reduced and residents are benefited.

Campaign was conducted Digital literacy and training on cashless transactions is done in and out of college area Different types of easy cashless transactions are familiarized by the students, to the villagers.

An awareness campaign on Plastic pollution and the ill effects of plastic usage and plastic waste was carried out in Puttur. Usage of paper bags and jute bags are increased. Awareness camps on importance of Covid-19 vaccination to avoid the spreading of Covid-19.

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

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

02

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

29

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

6011

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

2

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

15

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

For teaching and learning, the institution has enough infrastructure and physical amenities. Our institute is dedicated to providing high-quality education through creative pedagogical approaches, skilled teachers, and cutting-edge technology. In terms of land needs, instructional area, administrative area, facilities, access, and circulation area, the Institute meets all academic criteria. The Institute has an excellent academic ambience with a well-equipped built-up area of 47064.94 Sq.m. spread in a sprawling campus of 11.63 acres of land with a lush green eco-friendly environment.

Instructional Area:

The Institute has enough classrooms, seminar halls, and a cutting-edge auditorium. The entire campus is covered and monitored by CCTV cameras for safety and security reasons. 41 Classrooms equipped with ICT facilities, Laboratories, Drawing Halls, Computer Centre, Seminar Halls, Library, TPO Office, First Aid Room, Office, Exam Cell, IQAC Cell, Engineering Workshop, Innovation and Incubation Centre, Store Room, Photocopy Centre, Canteen, Sports Club, and other adequate facilities such as HOD Rooms, Faculty Rooms, and Separate Boys & Girls Common Rooms are the salient features of infrastructure.

For students to improve their English speaking and writing skills, the institute includes a complete language lab with up-to-date learning resources. All computer laboratories are fully equipped with the latest high configured 920 Systems and required software's. A high-speed internet connection with a capacity of 300 Mbps is available. The Institute has domain-centric laboratories as per the norms of AICTE and regulations of JNTUA, Ananthapuramu.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://sistk.org/downloads/2021amenity.pdf

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

The institution has adequate facilities for cultural activities, yoga, games (indoor, outdoor) and sports.

Cultural Activities:

- The Institute has a centralized air-conditioned auditorium in an area of 4700 Sq. m with a seating capacity of 4000. Here the institutional academic functions, contests, symposia, cultural activities, and placement activities were organized.
- There is a 20000-seat open-air auditorium at the Institute, which facilitates the conductance of cultural functions.

Yoga:

- The Institute has Yoga centre with an area of 301.28 Sq. m.
- Our Institute offers Yoga classes to students and staff members to improve human excellence, in association with ART OF LIVING FOUNDATION, Bangalore.

Sports & Games:

- The Institute has excellent indoor and outdoor facilities to conduct games and sports.
- A total of 7 acres area is allocated for outdoor sports purpose and is capable of hosting national- level sport competitions.
- The Institute has a well-established Physical Education department with a well-experienced and qualified Physical Director to teach students and encourages them to participate in State/ University - sponsored sports activities.
- College teams are formed to compete in State and University-level contests, as well as other intercollege events.
- Outdoor games like Ball badminton, Shuttle, Volleyball, Throw ball, Cricket and Basketball are available.
- Indoor games like Chess, Carrom boards are available for the students.

Gymnasium:

- The Institute has a centralized Gymnasium centre with an area of 127.5 Sq. m.
- The Gym of our campus has modern equipment, including Multi-Functional Tread Mills, Sit-Up Benches, Elliptical Cross Trainers and weight-lifting equipment under the supervision of a certified trainer..

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	http://www.sistk.org/sistk_gallery.php

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

46

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

167.4

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

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

Siddhartha Institute of Science and Technology has a spacious

Central Library with 790 sq.m and can accommodate 202 users. It is automated with version 3.2 New Gen Lib, an Intergated Library Management System. An integrated library management system has been used to support in-house cataloguing and distribution operations through a dedicated server. The Library has a good collection of 26479 volumes of textbooks with 6682 titles, 147 Journals of which 96 are National Journals, and 51 are International Journals. There is online access to e-resources on Engineering disciplines, Management, Basic Sciences and Humanities etc. The Institute provides a Book Bank facility with SC/ST students for their academic needs.

The Central Library is located on the second floor of A-block with the following amenities.

Description of library :

Name of the ILMS software : New Gen Lib

Nature of automation (fully or partially) : Fully automated
Version

Year of automation :2021

S.no

Library Facilities

Required as per AICTE

Available

Remarks

1

Library Area in sq.m.

785

790

Adequate

2

Library Book Titles

5100

6682

Adequate

3

Library Book Volumes

25050

26479

Adequate

4

Journals

90

147

(51 NJ + 96 IJ)

Adequate

5

ILMS

1

1

Adequate

6

Seating Capacity

150

200

Adequate

7

Digital Library Systems

10

20

Adequate

- Our Library has I Manager ,IEEE, KnimbusJGATE, Taylor & Francis, NLIST, NDLI CLUB,EBSCO,NPTEL and DELNET subscriptions, and all students and faculty members can use database resources for professional and personal development.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.sistk.org/library.php

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

29.9

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

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

202

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

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

The IT Policy covers relevant ethical aspects of internet use on the campus. It instructs all stakeholders on how the network facilities of the college may be used in accordance with the existing laws and regulations of the nation. Any monetary or other damage arising from not following the rules stipulated in the policy will be deemed as the liability of the user responsible for the same. The IT infrastructure of the institution is primarily intended to enable the free and fair access to information for students and staff. The policy also makes provisions for the use of the college website and its social media accounts. The college has required legal software and it is the policy of college to promote the use of open source software wherever applicable.

Wi-Fi and LAN Facility

The Infrastructure consists of 300 Mbps Fiber optic cable network connecting all the building blocks of the college; Wired and Wi-Fi equipment of 15+ Hub racks, 10+ network switches, 15+

routers.

Cyber Security

The college has procured a secure domain for itself. All the academic departments and independent cells under the college are provided with sub-domains.

Firewall

The college intranet is secured with dedicated firewall protection sourced from Blue Lotus Support Services Pvt Ltd (Limras Eronet Broadband Service Pvt Ltd) who is a leading enterprise security solutions provider.

Budget for updating IT facilities

Every year 5 lakhs fund is allocated for updating the IT facilities and whenever systems purchase need arises, an additional required budget is allocated.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.sistk.org/wifi-campus.php

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
1747	920

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 750 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: **A. All four of the above Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing**

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.youtube.com/watch?v=TxCGBEJHH E0
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

182

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

The institute physical, Academic, and support facilities such as laboratories, library, sports, indoor stadium, computers, and classrooms are all well-maintained. Under the direction of the Administrative Officer, the Maintenance Supervisor and his crew are responsible for the upkeep of the entire infrastructure.

Laboratories:

All the laboratories are well equipped and maintained to conduct laboratory courses. The laboratory equipment is augmented continually and based on the demand, that is, the list of the experiments in a given domain area.

Library facility:

The Library is led by a qualified Librarian and supporting staff. Inside the reading room, a suggestion box has been placed to collect users feedback. A proper log of visitors/users (students and employees) is maintained daily.

Sports facilities:

Regular maintenance of the college indoor and outdoor sports and games facility is supervised and maintained by the Physical Director and sport committee.

IT Infrastructure:

System Administrator and lab assistants under the supervision of the IT Manager maintain the college IT Infrastructure like Computers and accessories effectively. In addition, the IT Manager ensures the periodical validity of the software.

Classrooms:

The Classrooms, Seminar halls, Department office, Staff rooms are cleaned and maintained hygienically. A housekeeping supervisor with his team ensures that the cleaning job is carried out regularly.

Transport Facility:

The institute has a fleet of busses. The transport wing is maintained by an experienced technician and in charge faculty who effectively manages the transport logistics of the college.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.sistk.org/organization_chart.php

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

1247

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

42

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology A. All of the above

File Description	Documents
Link to Institutional website	http://sistk.org/placements.php
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

370

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

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

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

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

222

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

13

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

9

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

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

3

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The institute encourages the students to participate and involve the leadership roles in Student Committees. There is a student association for each department in the institute that organizes various extracurricular events. From each academic year, students pick a president, secretary, and treasurer to oversee the operations. The student group runs the various events when the faculty coordinator is present. In the department, the students are also represented by professional groups. Students on committees work under professor supervision to carry out the tasks assigned to these groups. The institute is a member of IndianSocietyforTechnicalEducation(ISTE) professional groups. By paying the fee, interested students might join the professional groups as a member. In many of the activities that the institution sponsors, the students take an active part in InstitutionalAcademic&AdministrativeGroups. Various committees are made up of students from all the departments. The student involves in different cells like Student technical chapters, Anti-ragging, Women Empowerment, Hostel Committee, Canteen Committee, Bus committee, Student Welfare, SC and ST Committee, NSS, and IIC, etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://sistk.org/sports_sistk.php

5.3.3 - Number of sports and cultural events / competitions organised by the institution

13

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Our institute have registered alumini named "Siddhartha Institute of Science and Technology alumini association" is registred in 2021 under societies registration act 2001(No. 242 of 2021). Total 1979 students are registerd in the association. Our graduates are now dispersed around the world and are making a difference in society as engineers, business owners, educators, and researchers. They serve as our college's brand ambassadors. Our alumni contributing their experiances and knowledge by participating in different committees like BOS members, DAB members, etc. The alumni are actively engaging to provide their ideas on the current needs for the Departmental Vision, Mission, Program Education Objectives (PEOs), and Programme Specific Outcomes (PSOs). Every year we conduct alumni meet and also Institute initiated a program "Talk to the alumni" where the alumini students interacts with present students to guide them. Present students will be more eager to pick up knowledge from their elders, and these interactions are always beneficial. Recommendations for employment from alumni, alumni support their juniors by sharing information on employment vacancies in the current markets and offering location guidance. Financial assistance provided through alumni contributions: Rs 8,72,000 has been donated to the college by the alumni association.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://alumni.siddharthgroup.ac.in/

5.4.2 - Alumni's financial contribution during the year

C. 5 Lakhs - 10 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

It's a key part of College's mission and vision to create global leaders in the field of technology through good academics and research and to help them work towards that goal with a clear comprehension and insight and make them serve better to the society.

Reflections of the governance of the Institution

Various academic, administrative, and academic committees including the Chairman, Principal, Deans, and various committees are formed and held accountable for planning and implementing specific academic, administrative, and academic policies. It has a variety of teams and cells in which all internal and external stakeholders are involved, and its rules are transparent so the academic and professional development duties can be allocated efficiently. Academic planning committee, Academic Council, Board of Studies, Finance, Deans, College Academic Committee and Department Academic Committee, Examination cell, NSS, library and sports committee, anti-ragging committee, take accountability for plans and activities and successfully carry all responsibilities in each academic session. Curriculum development is done in accordance with AICTE guidelines, as per UGC Regulations, local needs, and APSCHE. The principal along with the committee constantly monitors for academic progress, staff involvement, and student participation in all skill-oriented and academic activities. The finance committee approves the financial requirements based on the needs proposed by the various departments.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.sistk.org/vision_mission.php

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

There is a well-structured mechanism for providing operational autonomy to the institution

to ensure a decentralized governance system. As a decentralization measure of general administrative responsibilities, faculties provide their inputs on all academic related matters. The Institution supports the Deans and Heads of the Departments to take administrative decisions related to the Departments following the guidelines of the University.

- The Institution helps the Deans and Heads of the Departments in their decision-making about the Departments in accordance with the University's policies.
- The Head of Institution (HOD), who reports to the Principal, has the authority to make a variety of choices on the timetable, the creation of the curriculum, and the progress of the students.
- To deal with developing industrial trends and needs, curriculum development has been duly constituted with Board of Studies and Academic Council.

Similarly, the faculty are involved and the in-charge of Internal Quality Assurance Cell (IQAC), NSS Unit Cell, IAP Cell, Grievance Redressal Cell, Universal Human Values (UHV) Cell, Women Empowerment Cell, Training & Placement Cell, Institution Innovation Council etc. Faculty members participate in a variety of groups and clubs, including the College Academic Committee, the Ethics Committee, the Admissions Committee, SC/ST Committee, the Robotics Club, and the Research Advisory Committee.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	http://www.sistk.org/organization_chart.hp

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

- Academics and administrative procedures at the Institution are well-defined in terms of organizational structure. The structure is supported by Deans, Heads of coordinators of various committees and cells. Department Heads are responsible for the academic progress of their departments, beginning with subject allocation based on the faculty's experience and expertise. There is an academic committee, which ensures the quality of course materials, lesson plans, course information sheets, subject power point presentations, and video lectures. Based on input from a variety of stakeholders, including students, teachers, parents, employers, and alumni, the Department, Board of studies and the Institution Academic Council is responsible for creating curricula and rules that meet industrial trends.
- In coordination with the Deans of Academics, alumni relations, industry relations & placements, research innovation & consultancy, and student affairs, the efficient implementation of institutional policies and routine activities will be periodically monitored and improved.
- Stakeholders feedback is essential for the best implementation of Institutional policies and practices and they are included in all committees and cells, including IQAC, the college Academic Committee, the planning and evaluation committee, the Training and placement cell, NSS, etc. towards reaching the vision.
- Conducting department-specific technical programmes to expand their knowledge.
- To foster a culture of innovation, creativity, and research among the students to help them think and develop

for the benefit of the institution and themselves.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	http://www.sistk.org/cmt.php
Upload any additional information	View File

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

The Institutional organisation is well-structured to function effectively and efficiently while completing the responsibilities allocated to it in a hierarchical manner. The norms and guidelines for the academic and administrative procedures and policies are set forth by the institute, which is led by the chairman of the governing body and is followed by the vice-chairman and secretary. The Principal, IQAC, Academic Council, and Finance Committee are the leaders of the institution takes responsibility for implementing and managing the procedures. Deans, Directors of Administration, and Heads of Departments support the organisational structure and its ability to function. The roles and responsibilities of each member are well defined. Each Department has a Board of studies that develops the curriculum, and the Department Academic committee masters the execution of Departmental operations. The Department collates every member, both teaching and non-teaching and the deans actively participate in the work of numerous committees, cells, and clubs that help organise events to promote students' technical and non-technical skills. The "Service Rules and Regulations" of Siddartha Institute of Science and Technology shall be clearly made known to all concerned. By providing the greatest facilities and remuneration in accordance with UGC rules, the institution ensures that the teachers and staff have a comfortable place to work in updating their knowledge and enhancing their qualifications. Increased MOUs, expert lecturers, Industry-institution engagement, entrepreneurship, research, and consultancy all these benefit students' growth of this Institution in a systematic manner in accordance with laws and regulations.

File Description	Documents
Paste link to Organogram on the institution webpage	http://www.sistk.org/organization_chart.p hp
Upload any additional information	View File
Paste link for additional Information	http://www.sistk.org/organization_chart.p hp

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) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

At the institution there are effective welfare programmes for teaching and non-teaching staff. The organisation will make special efforts to organise various programmes and support for staff professional development.

For Teaching and non-teaching fraternity

- The Sixth Pay Commission's guidelines and the AICTE's hiring practises are followed when hiring new employees.
- On-campus training programmes and faculty development initiatives are executed to improve the faculty's technical expertise.
- They are encouraged to carry out the research work by establishing sufficient research facilities.

- Supporting the faculty by providing membership Fee to register membership in various professional bodies like IETE, ISTE, IE etc.
- Participation in International and National Conferences is encouraged by refunding the Registration Fee, TA, and On Duty.
- Three years of Sabbatical Leave and six days of on-duty per semester (12 days per academic year) can be availed by the teaching fraternity for professional development
- Three Days of Marital Vacation 180 days of combined maternity or sick leave is facilitated for teaching and non-teaching fraternity.
- When on duty leave, employees are encouraged to continue their research at any time and can return to work once the research is finished.
- The Institution offers Group Insurance assistance to staff members.
- Non-teaching employees and support staff are paid in accordance with the A.P. Govt. scale regulations.
- The indication of incentives, increments, and the performance appraisal system are clearly established and followed in accordance with the Institute's service regulations to regulate performance.
- 50% of transportation and Hostel concession are for employees of the Institution.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://sistk.org/mt-content/uploads/2020/01/service-rules.pdf

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

55

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

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

11

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

164

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institute successfully conducts internal and external audits on a regular basis. The smooth implementation of the Institute's audit works well in the institution. Internal and statutory auditors review the admission, HR & Payroll, procurement, and

fixed asset management & financial accounting processes on a regular basis. It is based on estimates and other sources. It analyses and obtains approval from the Governing Body for the annual estimation of both recurring and non-recurring and other staff, purchases of equipment, general maintenance, and so on. The institution is in charge for developing procedures and guidelines for the institution's various financial transactions. It includes record verification, receipts and payments, income and expenditure, quarterly budget control statements, cash and funds flow statements, and balance sheet preparation. The principal and the Governing body have authorised the purchase procedures. The audit committee's observations and suggestions are communicated through their report. These suggestions are reviewed by separate institute committees comprised of the Accounts officer, internal auditor, Department concerned Head, and any other member nominated by the Director. A draft report is submitted to the Institute's head (if necessary) for finalisation of the institute's compliance report.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.sistk.org/finance_committee.php

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

0

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

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

Yes, the institution has a proper strategy for fund mobilisation, and it has been used for Institutional development. The Finance Committee is formed in accordance with

UGC guidelines to monitor financial issues concerning proper allotment and optimal utilisation of funds by departments. Internal and external auditors review all financial matters on a regular basis.

Tuition, hostel, and bus fees collected from students are the primary sources of revenue. The fee is set in accordance with the guidelines of the AP State fee regulatory authority. The fixed deposits are used to cover college expenses. The interest earned on these fixed deposits is also used for the Institution's needs.

The Institute receives funding from national agencies such as AICTE, NAAC, CSIR, and others to organise workshops and seminar programmes. Faculty of this Institute applies for research grants from ISRO, DST, and other organisations to carry out funded projects. The Government also assisted the institution in establishing advanced labs. The industries are coming forward to support the institution through the industry academia programme (IAP) in terms of industry labs establishment, technical support in providing trainings, and sponsoring equipment to the existing labs. In order to construct buildings and hold workshops, seminars, and conferences for the development in the campus, the institution is also receiving support from private organisations. Strategic budget allocations are made to pay for the upkeep of the campus, the purchase of accessories, and budget increases to improve the Institution's calibre.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.sistk.org/finance_committee.ph p

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The Internal Quality Assurance Cell (IQAC) has made a substantial contribution to standardize quality assurance strategies and processes, routinely examining the teaching and

learning process, organisational structures and methodologies, and learning results. By participating in the following broad categories, IQAC plays a significant role.

1. Improving teaching and research quality by providing regular input to all parties involved based on student feedback.
2. Contributing to the development of best administrative practises for effective resource management and enhanced staff and student services.
3. Provide input to Academic and administrative audits and analyse results for improvement in areas where weaknesses were identified.

For approval by the Institute's statutory authorities, the Institute IQAC prepares, assesses, and makes recommendations for the Annual Quality Assurance Report (AQAR), Self-Study Reports of various accreditation bodies (UGC, NAAC, NIRF, NBA), Performance Based Appraisal System (PBAS) for Career Advancement, Stakeholder's feedback, Process Performance & Conformity, Action Taken Reports, and New Programmes in accordance with National Missions and Government Policies. In order to improve quality, it also requires creating rubrics and checking exam questions, answer sheets, and course materials.

The Institute IQAC organised, planned, and carried out the required actions, which included creating high-quality guides and materials. The seamless integration of contemporary technology into the Institute's administrative operations through ICT was spearheaded by the IQAC.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.sistk.org/downloads/MoM%20IQAC%202021-22.pdf

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

The IQAC regularly evaluates the teaching-learning process and takes action to enhance its quality. The Institute circulates and displays the academic calendar, which is created in advance.

From in-class instruction through achieving course and programme outcomes, the framework of the teaching and learning process is clearly defined. The department keeps an eye on the procedure, and it regularly gathers feedback to make the required adjustments and take appropriate action. Remedial programmes for struggling pupils and coaching for gifted children to engage in extracurricular activities by keeping an eye on their performance indicators. The system of ongoing evaluation takes into account the different co-curricular and extracurricular activities carried out in the Institute's Departments. Students participate in a variety of Committee meetings on a regular basis to provide input, and relevant actions are then taken to improve the teaching-learning process. Teachers also collect feedback from students on an individual basis using IQAC for their respective courses. The Head of the Institute also has an open ear for the students' suggestions. Head of the Departments and individual faculty members will be notified of feedback once it has been appropriately analysed. Based on the IQAC's recommendations, the teaching-learning processes are examined, and changes are made. Faculty members are encouraged to publish work, attend conferences, and get awards for success. They are also given financial help to achieve these things.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.sistk.org/downloads/MoM%20IQAC%202021-22.pdf

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	http://www.sistk.org/downloads/Annual%20report%202021-22.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Siddhartha Institute of Science and Technology has initiated following measures to promote gender equity in the institution:

It is proud to the institution that out of 1747 total students, 543 girl students are present which is 31.08% of the total students. Also, among 173 staff, 56 lady faculty are working in the institution which is 32.37% of the total staff. Besides these, out of 9 departments, 2 departments are leading by lady faculty only.

Apart from these, the institute has Women Empowerment Cell (WEC), Women Protection Cell (WPC) and Gender Championship Committee (GCC) for creating awareness, empowering and protecting the girl students. WEC conducts various curricular and co-curricular activities to maintain gender equity in the institution. Institute provides security facilities separately for boy and girl students in the college and hostel premises, through a dedicated team of male and female security guards and 24 hour CCTV surveillance is maintained. Institute has student hostels for both boys and girls separately. Also, separate common rooms are provided for boys and girls in the institute.

In addition to these on behalf of the institution, WEC conducts some events like Constitution day, International & National Girl Child days, Women's day etc. to maintain the gender equity in the campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://sistk.org/sistk_gallery.php

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy plant Wheeling to the Grid energy conservation power-efficient equipment

A. Any 4 or All of the above

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

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

Siddartha Institute of Science and Technology (SISTK) facilitates several techniques for the management of degradable and non-degradable waste. The primary focus is to reduce, reuse and recycle the waste. The college management has also advised to refuse anything which is not needed. The college has different dustbins to segregate the different waste like solid, biomedical, etc. There are committees that deal with the minimization of waste. Eco club of SISTK actively functions involving the students to maintain greenish campus with various kinds of awareness programs to keep the campus clean and tidy. Every day the waste is collected in bins and disposed to a place where it can be converted into manure. Suitable techniques are applied for disposing of solid waste.

The bio-degradable waste shall be processed, treated and disposed of through composting within the premises as far as possible. The residual waste shall be given to the waste collectors or agency as directed by the local body. Finally, all locations and centers associated with SISTK are educated from time to time about the process of recycling the waste. Hence, SISTK is determined to provide all possible facilities to deal with the degradable and non-degradable waste.

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

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

A. Any 4 or all of the above

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

7.1.5 - Green campus initiatives include

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

A. Any 4 or All of the above

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

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

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

A. Any 4 or all of the above

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

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

7.1.7 - The Institution has a disabled-friendly and barrier-free environment:
Ramps/lifts for easy access to classrooms and centres
Disabled-friendly washrooms
Signage including tactile path lights, display boards and signposts
Assistive technology and facilities for persons with disabilities:
 accessible website, screen-reading software, mechanized equipment, etc.
Provision for enquiry and information:
 Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

A. Any 4 or all of the above

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

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

India is a land of "Unity in Diversity" and presents a variety of languages, culture and tradition. Siddartha Institute of Science and Technology believes that the students with good attitude and being responsible are necessary for building a nation. In connection with, the college organizes several activities to promote a healthy environment in developing cultural, ethical, spiritual, emotional, religious values among the students and the staff. Our students are from different religions, languages and Socio-economic cultures. The celebrations in the campus not only for recreation and amusement but it enhances the unblemished relation and generates the feeling of social and communal harmony.

In the representation of Indian culture, our institution celebrates the Engineers day and traditional day, different regional festivals in addition to the International yoga Day. Along with, we organize and celebrate the orientation day, induction programme, Freshers party, teachers' day, farewell party, rallies, plantation day, women's day, yoga day etc.

By all these programmes, students get awareness towards different cultures of our nation and help in developing the positive interaction between them.

In this way, the effort of our institution is providing an inclusive environment for everyone with tolerance and harmony towards cultural, regional, linguistic, communal socio economic, and other diversities.

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

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

By introducing courses like Universal Human Values, Professional Ethics, Essence of Indian Traditional Knowledge, and Indian Constitution, various educational and other activities are being organised to infuse Human Values, Constitutional Values, Fundamental Rights, and Duties and Responsibilities of Students. We established a course in environmental study to help students build sustainable practises.

The institution hosts NSS events to provide students the chance to participate in community service projects including tree planting, blood donation drives, and health awareness events. The establishment of anti-raging cells, gender equality cells, women's empowerment cells, discipline committees, etc., plays a crucial role in ensuring the welfare of students.

Gaining information about many people from various walks of life, developing leadership qualities, and fostering student confidence. The aforementioned institution frequently observes Independence Day, Republic Day, Constitutional Day, Voters Day, Swatch Bharat, and Cleanliness Campaign to educate and raise awareness among the students about the importance of these significant holidays.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed

A. All of the above

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 Annual awareness programmes on the Code of Conduct are organized

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	View File

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

In the institution, we regularly observed calendar events that were significant for a variety of reasons, including social, national, international, economic, scientific, commemorative, and others like National Unity day, Independence day, Republic day, World Human Rights day and so on. National and international commemorative days provide an opportunity to inform staff and students about the significance of great people and their contributions to society's and a country's overall growth (on the issue of concern and to celebrate achievements of humanity). Therefore, genuine efforts were made to celebrate national and international holidays in the institute throughout the academic years. In this context, numerous events such as essay competitions, elocution competitions, quizzes, paper presentations, poster presentations, etc. relevant to the festivities were held. Elites and well-known figures were invited to speak to the gathering. It was found that the young people's thoughts were awakened, inspired, and striving toward maintaining their studies life well.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

1.Clean and Green Practices for Sustainable Environment.

2.Celebrating National and International Days.

File Description	Documents
Best practices in the Institutional website	http://sistk.org/downloads/BestPractice2021-22.pdf
Any other relevant information	http://www.sistk.org/organization_chart.php

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

The institute has a well-established placement and training wing with highly talented and dedicated staff who impart the knowledge and skills required for holistic growth to the students. Education programs develop students into creative and resourceful global leaders focused on building industry-applicable skills.

Institute provides guiding to the students for competitive exams like GATE, SAT, GRE, GMAT, IES and IELTS for higher education like M.Tech, M.S, MBA. And most of the students attempted and succeeded got admissions in highly reputed institutions. Alumni associations offer networking opportunities, Effective training, knowledge in software languages ??like python, Java, C,C++ and embedded systems. Large number of MNCs visited the campus and

conducted interviews and selected in which 85 percent of the students were selected and offered jobs with good packages. In order to support the academic growth of the students.

The Institution extends internal support to the students by conducting various educational programs such as English language clubs with a unique English language laboratory, organizing seminars, technical exhibitions, technical symposiums, robotics clubs, seminars, group discussions, mock interviews, counseling spiders in order to enrich their academic caliber, needed communication and soft skills enabling them to succeed in all their endeavors in their life .

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The Institute follows a systematic process for developing the curriculum of all departments. It synchronizes the factors based on the syllabus of various reputed Universities, global changes in the field of Engineering and the model curriculum prescribed by AICTE & APSHE, Syllabi of various competitive exams like GATE, IES, etc,

Development of curriculum in accordance with Institution and Department's vision & Mission, PEOs and PSOs of the departments. The accreditation boards like NBA's graduate attributes POs are addressed. It is a collaborative process in which feedbacks and suggestions are collected from stakeholders, including employers, Alumni, Faculties & students and ensures that the curriculum is relevant to the local, regional, national, and global developmental needs. Course coordinators will prepare the syllabus for various courses has been checked by program coordinator. The Department Academic Committee (DAC) finalized the draft syllabus. The Board of Studies discussed and forwarded to Academic Council for final approval. Students are given opportunities to learn interdisciplinary courses through open electives. Undergoing MOOCS courses through NPTEL are mandatory to develop the self-learning skills. Internships, skill courses can update the students' knowledge multifariously. In the preparation of curriculum, eminent academicians, Industry persons, Faculty and alumni are involved.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	http://www.sistk.org/

1.1.2 - Number of Programmes where syllabus revision was carried out during the

year	
8	
File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File
1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year	
338	
File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File
1.2 - Academic Flexibility	
1.2.1 - Number of new courses introduced across all programmes offered during the year	
116	
File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

9

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

In view of integrating the cross cutting issues related to gender, environment and sustainability, human values and professional ethics, the College organizes different programs under various cells and also include different courses like human values & professional ethics, environment science etc. for the holistic development of students.

Human Values and Professional Ethics

A course on "Human Values and Professional Ethics" is offered as mandatory Subject. Social development activities like blood donation camps, health check-up camps, awareness program on Road safety, awareness camps on social issues organized by NSS.

Gender Sensitivity

There are many platforms for hands-on experiences related to gender sensitivity which enable students to interface with real life situations such as field work, community outreach, and gender sensitization activities under Gender Championship cell, where equal proportion of participation from boys and girls is maintained. The women empowerment cell/Women Protection cell is functioning effectively to explore immense potential of girl's students in all aspects, providing a congenial environment for them.

Environment and Sustainability

An audit course "Environmental Science" is included in all UG programmes. Industry visits and field excursions were structured for students of all programmes. Environment Day, Earth Day, Water Day are organised every year by Eco club.

The institute promotes sports and cultural activities to the students in the college by conducting various events.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

27

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

2566

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

94

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	http://sistk.org/departments/ece/feedba ck.php
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	http://sistk.org/
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

606

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

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

321

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

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Every year, a bridge course is organized by the institute for the students of the program to get familiar with core engineering and technology..

Based on academic performance in MID and university end examinations, all students are assessed into two categories as slow learners and advanced learners. Students securing 60% and above in MID and university end examinations are identified as advanced learners. And remaining students fall under the slow learner's category in academic performance.

The following are the functions of the Advanced and slow learners system:-

Advanced learners are:

- Motivating to participate the technical and non-technical events within the institute and other institutes to get acquainted with the recent trends in the core engineering and technology fields.
- Giving challenging assignments to have an improvement in the problem-solving environment with the use of different methodologies.
- Giving the opportunity in the different office-bearing

roles in the department association activities to improve interpersonal and team lead capacities.

- Motivated and guided to improve the CGPA score and attend GATE-like competitive examinations.

Slow learners are:

- Guided to take Remedial classes to improve their academic performance with additional care.
- Regular monitoring by the counsellor in all academic activities and motivated in other aspects as well.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.sistk.org/departments/ece/ecoursematerials.php

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
25/05/2022	1747	174

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

To enrich the student learning experiences in the courses, student-centric methods are being adopted. To inculcate and support the student-centric learning environment in the institution, all the essential facilities are incorporated and well-maintained.

The teaching-Learning methods such as Participative learning, Experimental learning and Problem solving methodology have been effectively incorporated.

Participative learning:

Events like Seminars, webinars, guest lectures, hands-on workshops and training programmes are organised with the eminent academicians and industrial experts as resource persons to fill up the gaps in the knowledge level and trends between academics and industry. Various technical events are conducted through the department association activities in every academic year, which brings confidence to the students on their talent and skills. Students are encouraged to participate in various online courses which enhances their technical skillset.

Experimental learning:

Students are encouraged to acquire industry ready experiences through internships, participate in industrial training and industrials visits to the eminent industries like SHAR, NARL and BSNL. By these experimental learning, students can corelate the theoretical knowledge to the industrial need.

Problem Solving Methodologies:

Tutorial classes are being conducted for analytical courses by implementing different pedagogical tools such as collaborative learning, group tutorial for shaping their problem solving skills.

File Description	Documents
Upload any additional information	View File
Link for additional Information	http://www.sistk.org/departments/ece/ecoursematerials.php

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

Availing the ICT facilities is the foremost successful tool for improving the students' basic understandings toward complex concepts enhances the contemplations in engineering, communication skills and problem solving. Hands-on trainings are arranged to faculty members to adapt the ICT technologies and its effective uses. In additions, many FDPs are arranged in the institution and encouraged to participate in such events organised by the reputed institutions as well.

To cope up with the ICT technologies, institute provides the facilities like the modernised recording studio, 300 Mbps high speed internet access and pen tablet for the effective teaching and learning. All the courses taught through ICT tools to supplement traditional classroom instructions.

Virtual labs and other simulation tools are used for the demonstration and better grasping of intricate engineering concepts. Students are provided with the PPT, recorded video sessions' links, online video links for quick references. Classrooms and seminar halls are equipped with the LCD projectors and internet facility.

Also our faculty members and students are the members in National Digital Library of India (NDLI) which provides access of most of the resources to learner's community through a single window by National Mission on Education Through information and communication technology (NMEICT).

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://drive.google.com/drive/folders/162SIqUdRsevEx0D7A68ymnRPC_EnkPEn
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

85

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

In discussion with the heads of all the departments and examination cell, the academic calendar is prepared which has

commencement of classwork, MID examinations, End semester examinations. According to this academic calendar, all the department activities are to be planned. After approval by the academic committee, it is circulated to each department, faculty, and students through the institution's website.

Faculty prepare the lesson plan and course information sheet in accordance with the academic calendar, and the department academic committee scrutinize the lesson plans. For each course assigned to the faculty, course materials, PPTs, and lecture notes are prepared. Before the commencement of class work, class time tables and individual faculty wise time tables are prepared and distributed to the concerned after the approval of the head of the institution.

The following are the contents in the course file:

- Vision and mission (Both institution and Department)
- Syllabus copy (Relevant regulation)
- Course information sheet with CO-PO Mapping
- Lesson Plan (Unit-wise detailed lecture plan)
- Handwritten Lecture Notes by the concerned faculty (As per the ongoing regulation)
- Question Bank
- Bit bank
- Previous end and MID examinations question papers
- PPTs (Soft version)
- Video Lectures
- Assignment and Tutorial Questions

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

9

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

24

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

779

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

15

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

48

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Examination cell in the institute ensures the disciplined and reliable implementation of all the MID and End Examinations and evaluation process to the students. All the assessment and evaluation processes are strictly implemented and performed impeccably.

Academic calendars, the rules and academic regulations, course structure and syllabus of the concerned course are hosted in institute web site to be informed to all the stake holders prior to every academic year starts.

There are two assessment processes being followed by the institution to each course. They are continuous internal evaluation and end semester examination.

For End semester examinations, two sets of question papers are prepared by the other institute faculty holding doctoral degree and the preparation should include BLOOMS Taxonomy levels accordingly. Scheme of the evaluation of the question papers shall be prepared in a clear and detailed way with

subdivisional marks.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.sistk.org/exam_cell_notifications.php

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

The course outcomes (COs) are constructed to each course based on the BLOOM'S taxonomy and Programme Specific Outcomes (PSOs) are framed for all the programmes. Program Educational Objectives (PEOs), PSOs and COs are formulated by the concerned department and disseminated to all the stakeholders. The department collects the inputs from different stakeholders, analyse and prepares the PSOs. These PSOs are then forwarded to Department Academic Committee for review, and then final version of PSOs are approved by the BoS and Academic Council.

Guidelines for CO formation:

1. There are six COs must be defined by incorporating the Blooms taxonomy levels and verbs.
2. COs should be defined for the entire course but not unit wise using single or multiple actions verbs.
3. The questions to be prepared must be mapped with the COs, be clear and achievable.

Mechanism for publication and dissemination:

The Process for publication and dissemination of the Vision, Mission of the Institute/department, Cos, POs, PEOs and PSOs of the programme are carried out by the below listed mechanism:

1. Displayed at prominent Places in the department

2. Brochures and catalogues of the department

3. Syllabus Copies

4. Laboratory records

5. Department Magazine and Newsletters

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	http://www.sistk.org/departments/ece/ecoursematerials.php

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

Six course outcomes (Cos) are constructed to each course using BLOOMS Taxonomy, and these Cos are evaluated for attainments through assessment tests and end-semester examinations. Continuous Internal Examination (CIE) results is obtained from MID-I and MID-II examinations with objective and descriptive questions, Two Assignments and end-semester examinations. The weightage of marks is 40% for internal examination and 60% for the end-semester examination.

Following are the steps to measure the course outcomes:

- Fixation of Targets for the COs.
- Setting of questions at the appropriate Bloom's Taxonomy levels.
- Specifying the COs and Bloom's Taxonomy level for each question.
- Posting of the marks for each assessment for each student.
- Calculate the CO attainment for each student and each course.

PO / PSO attainment is computed by Direct and Indirect attainment of COs with weightage 80% and 20% respectively.

Direct attainment: It is calculated for the weightage of 80% comprising Continuous Internal Examinations (CIE), assignments and end semester examination marks. The CIE is calculated using MID examinations marks having descriptive marks (20 marks) and objective marks (10 marks) Indirect Attainment: It is calculated for 20% weightage based on the course end survey obtained for the individual subject at the end of each semester

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.sistk.org/ug_qn_bank.php

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

420

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	http://www.sistk.org/downloads/Annual%20report%202021-22.pdf

2.7 - Student Satisfaction Survey

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

<http://sistk.org/mt-content/sss/SSS2020-21.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined

policy for promotion of research which is uploaded on the institutional website and implemented

The institute provides necessary facilities and a conducive environment to promote research in the campus. The Research policies are clearly defined and communicated to all the stake holders.

The institute is providing seed funding based on the merit of proposals submitted by faculty and student. The faculty and students are encouraged to present their ideas / project proposals before the Research Advisory committee (RAC) for getting the sanction of seed funding.

The faculty are given freedom to choose the research area of their choice and guidance is given to seek funding from various funding agencies. The institute encourages the faculty by providing incentives for peer reviewed publications, writing books and filing patents. The institute takes care of patent filing, which is governed by the Research Policy of the institute.

A detailed review is done for proposals seeking funding from various funding agencies by R&D cell and RAC. Research labs are established in departments with latest equipment's for carrying out research activities.

The Institute is providing On Duty, financial and support to all the faculties for attending workshops and conferences related to their research areas. Institute is conducting awareness programs on trending research areas with help eminent Academicians from various institutes.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	http://www.sistk.org/policies/R&D%20Policy.pdf
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

2.08

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

62

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	View File

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

0

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

0

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

1

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

0

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The Institution provides a conducive environment for promotion of Innovation and Incubation. All required facilities are provided and guidance is extended to the students. Students are encouraged to actively involve in the application of technology for societal needs. Necessary support is provided for Documentation, Publication of Research Papers and also for obtaining patents.

The Institution provides technology awareness meets, workshops, seminars and guest lectures on Entrepreneurship to students and faculty. Students are provided opportunities to directly interact with outstanding entrepreneurs excelling in their field. Product service Training is provided for creating awareness on marketing the products.

The Institute innovation centre is consists of four sub cells namely Idea Park Cell, Innovation cell, Techno Park cell and Innovation Management cell. The Research Cells in the departments and this would be an added advantage to the

students to develop their projects / Prototypes in In-House.

Financial support is extended to the students for exhibiting their models at the Idea Generation Contests, Competitions held by other organization through NIDHI(SSS) scheme and Siddarth Technology- Business Incubator Scheme (STBI) which running in the sister concern college Siddarth institute of engineering &Technology.

Students are provided with an opportunity to acquire skills for commercialization of their product.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.sistk.org/iicabout.php

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

3

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

E. None of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

1

File Description	Documents
URL to the research page on HEI website	NIL
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

8

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

0

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

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

15

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

45

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

14.548

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

1.14

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	View File

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

The College was allotted a National Service Scheme (NSS) Unit by JNT University Anantapuramu. About 100 students have enrolled their names as NSS Volunteers. The motto of NSS is 'Not Me But You'. Service to mankind is service to god. Imparting such values and attitude in to students is the motive of the institution.

Believing in this, the institute carries out a number of extension activities in the neighbourhood community. During

Independence Day and Republic day, the NSS students coordinate with the other clubs of the institute to demonstrate on current social problems through parades, rallies.

Tree plantation was done at campus. Planted thousands of samplings to make green & clean. Due to this tree plantation air pollution is reduced and residents are benefited.

Campaign was conducted Digital literacy and training on cashless transactions is done in and out of college area Different types of easy cashless transactions are familiarized by the students, to the villagers.

An awareness campaign on Plastic pollution and the ill effects of plastic usage and plastic waste was carried out in Puttur. Usage of paper bags and jute bags are increased. Awareness camps on importance of Covid-19 vaccination to avoid the spreading of Covid-19.

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

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

02

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

29

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

6011

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

2

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

15

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

For teaching and learning, the institution has enough infrastructure and physical amenities. Our institute is dedicated to providing high-quality education through creative pedagogical approaches, skilled teachers, and cutting-edge technology. In terms of land needs, instructional area, administrative area, facilities, access, and circulation area, the Institute meets all academic criteria. The Institute has an excellent academic ambience with a well-equipped built-up area of 47064.94 Sq.m. spread in a sprawling campus of 11.63 acres of land with a lush green eco-friendly environment.

Instructional Area:

The Institute has enough classrooms, seminar halls, and a cutting-edge auditorium. The entire campus is covered and monitored by CCTV cameras for safety and security reasons. 41 Classrooms equipped with ICT facilities, Laboratories, Drawing Halls, Computer Centre, Seminar Halls, Library, TPO Office, First Aid Room, Office, Exam Cell, IQAC Cell, Engineering Workshop, Innovation and Incubation Centre, Store Room, Photocopy Centre, Canteen, Sports Club, and other adequate facilities such as HOD Rooms, Faculty Rooms, and Separate Boys & Girls Common Rooms are the salient features of infrastructure.

For students to improve their English speaking and writing skills, the institute includes a complete language lab with

up-to-date learning resources. All computer laboratories are fully equipped with the latest high configured 920 Systems and required software's. A high-speed internet connection with a capacity of 300 Mbps is available. The Institute has domain-centric laboratories as per the norms of AICTE and regulations of JNTUA, Ananthapuramu.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://sistk.org/downloads/2021amenity.pdf

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

The institution has adequate facilities for cultural activities, yoga, games (indoor, outdoor) and sports.

Cultural Activities:

- The Institute has a centralized air-conditioned auditorium in an area of 4700 Sq. m with a seating capacity of 4000. Here the institutional academic functions, contests, symposia, cultural activities, and placement activities were organized.
- There is a 20000-seat open-air auditorium at the Institute, which facilitates the conductance of cultural functions.

Yoga:

- The Institute has Yoga centre with an area of 301.28 Sq. m.
- Our Institute offers Yoga classes to students and staff members to improve human excellence, in association with ART OF LIVING FOUNDATION, Bangalore.

Sports & Games:

- The Institute has excellent indoor and outdoor facilities to conduct games and sports.
- A total of 7 acres area is allocated for outdoor sports purpose and is capable of hosting national- level sport

competitions.

- The Institute has a well-established Physical Education department with a well-experienced and qualified Physical Director to teach students and encourages them to participate in State/ University - sponsored sports activities.
- College teams are formed to compete in State and University-level contests, as well as other intercollege events.
- Outdoor games like Ball badminton, Shuttle, Volleyball, Throw ball, Cricket and Basketball are available.
- Indoor games like Chess, Carrom boards are available for the students.

Gymnasium:

- The Institute has a centralized Gymnasium centre with an area of 127.5 Sq. m.
- The Gym of our campus has modern equipment, including Multi-Functional Tread Mills, Sit-Up Benches, Elliptical Cross Trainers and weight-lifting equipment under the supervision of a certified trainer..

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	http://www.sistk.org/sistk_gallery.php

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

46

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

167.4

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

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

Siddhartha Institute of Science and Technology has a spacious Central Library with 790 sq.m and can accommodate 202 users. It is automated with version 3.2 New Gen Lib, an Intergated Library Management System. An integrated library management system has been used to support in-house cataloguing and distribution operations through a dedicated server. The Library has a good collection of 26479 volumes of textbooks with 6682 titles, 147 Journals of which 96 are National Journals, and 51 are International Journals. There is online access to e-resources on Engineering disciplines, Management, Basic Sciences and Humanities etc. The Institute provides a Book Bank facility with SC/ST students for their academic needs.

The Central Library is located on the second floor of A-block with the following amenities.

Description of library :

Name of the ILMS software : New Gen Lib

Nature of automation (fully or partially) : Fully automated
Version

Year of automation :2021

S.no

Library Facilities

Required as per AICTE

Available

Remarks

1

Library Area in sq.m.

785

790

Adequate

2

Library Book Titles

5100

6682

Adequate

3

Library Book Volumes

25050

26479

Adequate

4

Journals

90

147

(51 NJ + 96 IJ)

Adequate

5

ILMS

1

1

Adequate

6

Seating Capacity

150

200

Adequate

7

Digital Library Systems

10

20

Adequate

- Our Library has I Manager ,IEEE, KnimbusJGATE, Taylor & Francis, NLIST, NDLI CLUB,EBSCO,NPTEL and DELNET subscriptions, and all students and faculty members can use database resources for professional and personal development.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.sistk.org/library.php

4.2.2 - Institution has access to the

A. Any 4 or more of the above

**following: e-journals e-ShodhSindhu
Shodhganga Membership e-books
Databases Remote access to e-resources**

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

29.9

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

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

202

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

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

The IT Policy covers relevant ethical aspects of internet use on the campus. It instructs all stakeholders on how the network facilities of the college may be used in accordance with the existing laws and regulations of the nation. Any monetary or other damage arising from not following the rules stipulated in the policy will be deemed as the liability of the user responsible for the same. The IT infrastructure of the institution is primarily intended to enable the free and fair access to information for students and staff. The policy also makes provisions for the use of the college website and its social media accounts. The college has required legal software and it is the policy of college to promote the use of open source software wherever applicable.

Wi-Fi and LAN Facility

The Infrastructure consists of 300 Mbps Fiber optic cable network connecting all the building blocks of the college; Wired and Wi-Fi equipment of 15+ Hub racks, 10+ network switches, 15+ routers.

Cyber Security

The college has procured a secure domain for itself. All the academic departments and independent cells under the college are provided with sub-domains.

Firewall

The college intranet is secured with dedicated firewall protection sourced from Blue Lotus Support Services Pvt Ltd (Limras Eronet Broadband Service Pvt Ltd) who is a leading enterprise security solutions provider.

Budget for updating IT facilities

Every year 5 lakhs fund is allocated for updating the IT facilities and whenever systems purchase need arises, an additional required budget is allocated.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.sistk.org/wifi-campus.php

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
1747	920

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus**A. 50 Mbps**

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing**A. All four of the above**

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.youtube.com/watch?v=TxCGBEJHHE0
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure**4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)****182**

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

The institute physical, Academic, and support facilities such as laboratories, library, sports, indoor stadium, computers, and classrooms are all well-maintained. Under the direction of the Administrative Officer, the Maintenance Supervisor and his crew are responsible for the upkeep of the entire infrastructure.

Laboratories:

All the laboratories are well equipped and maintained to conduct laboratory courses. The laboratory equipment is augmented continually and based on the demand, that is, the list of the experiments in a given domain area.

Library facility:

The Library is led by a qualified Librarian and supporting staff. Inside the reading room, a suggestion box has been placed to collect users feedback. A proper log of visitors/users (students and employees) is maintained daily.

Sports facilities:

Regular maintenance of the college indoor and outdoor sports and games facility is supervised and maintained by the Physical Director and sport committee.

IT Infrastructure:

System Administrator and lab assistants under the supervision of the IT Manager maintain the college IT Infrastructure like Computers and accessories effectively. In addition, the IT Manager ensures the periodical validity of the software.

Classrooms:

The Classrooms, Seminar halls, Department office, Staff rooms are cleaned and maintained hygienically. A housekeeping supervisor with his team ensures that the cleaning job is carried out regularly.

Transport Facility:

The institute has a fleet of busses. The transport wing is maintained by an experienced technician and in charge faculty who effectively manages the transport logistics of the college.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.sistk.org/organization_chart.php

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

1247

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

42

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File
5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology	A. All of the above
File Description	Documents
Link to Institutional website	http://sistk.org/placements.php
Details of capability development and schemes	View File
Any additional information	View File
5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year	
370	
File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File
5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students'	A. All of the above

grievances Timely redressal of grievances through appropriate committees

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

5.2 - Student Progression
5.2.1 - Number of outgoing students who got placement during the year

222

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

13

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year
5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

9

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

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

3

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The institute encourages the students to participate and involve the leadership roles in Student Committees. There is a student association for each department in the institute that organizes various extracurricular events. From each academic year, students pick a president, secretary, and treasurer to oversee the operations. The student group runs the various events when the faculty coordinator is present. In the department, the students are also represented by professional groups. Students on committees work under professor supervision to carry out the tasks assigned to these groups. The institute is a member of IndianSocietyforTechnicalEducation(ISTE) professional groups. By paying the fee, interested students might join the professional groups as a member. In many of the activities that the institution sponsors, the students take an active part in InstitutionalAcademic&AdministrativeGroups. Various committees are made up of students from all the departments. The student involves in different cells like Student technical chapters, Anti-ragging, Women Empowerment, Hostel Committee, Canteen Committee, Bus committee, Student Welfare, SC and ST Committee, NSS, and IIC, etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://sistk.org/sports_sistk.php

5.3.3 - Number of sports and cultural events / competitions organised by the institution

13

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Our institute have registered alumini named "Siddhartha Institute of Science and Technology alumini association" is registred in 2021 under societies registration act 2001(No. 242 of 2021). Total 1979 students are registerd in the association. Our graduates are now dispersed around the world and are making a difference in society as engineers, business owners, educators, and researchers. They serve as our college's brand ambassadors. Our alumni contributing their experiances and knowledge by participating in different committees like BOS members, DAB members, etc. The alumni are actively engaging to provide their ideas on the current needs for the Departmental Vision, Mission, Program Education Objectives (PEOs), and Programme Specific Outcomes (PSOs). Every year we conduct alumni meet and also Institute initiated a program "Talk to the alumni" where the alumini students interacts with present students to guide them. Present students will be more eager to pick up knowledge from their elders, and these interactions are always beneficial. Recommendations for employment from alumni, alumni support their juniors by sharing information on employment vacancies

in the current markets and offering location guidance.
Financial assistance provided through alumni contributions: Rs 8,72,000 has been donated to the college by the alumni association.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://alumni.siddharthgroup.ac.in/

5.4.2 - Alumni's financial contribution during the year

C. 5 Lakhs - 10 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

It's a key part of College's mission and vision to create global leaders in the field of technology through good academics and research and to help them work towards that goal with a clear comprehension and insight and make them serve better to the society.

Reflections of the governance of the Institution

Various academic, administrative, and academic committees including the Chairman, Principal, Deans, and various committees are formed and held accountable for planning and implementing specific academic, administrative, and academic policies. It has a variety of teams and cells in which all internal and external stakeholders are involved, and its rules are transparent so the academic and professional development duties can be allocated efficiently. Academic planning committee, Academic Council, Board of Studies, Finance, Deans, College Academic Committee and Department

Academic Committee, Examination cell, NSS, library and sports committee, anti-ragging committee, take accountability for plans and activities and successfully carry all responsibilities in each academic session. Curriculum development is done in accordance with AICTE guidelines, as per UGC Regulations, local needs, and APSCHE. The principal along with the committee constantly monitors for academic progress, staff involvement, and student participation in all skill-oriented and academic activities. The finance committee approves the financial requirements based on the needs proposed by the various departments.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.sistk.org/vision_mission.php

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

There is a well-structured mechanism for providing operational autonomy to the institution

to ensure a decentralized governance system. As a decentralization measure of general administrative responsibilities, faculties provide their inputs on all academic related matters. The Institution supports the Deans and Heads of the Departments to take administrative decisions related to the Departments following the guidelines of the University.

- The Institution helps the Deans and Heads of the Departments in their decision-making about the Departments in accordance with the University's policies.
- The Head of Institution (HOD), who reports to the Principal, has the authority to make a variety of choices on the timetable, the creation of the curriculum, and the progress of the students.
- To deal with developing industrial trends and needs, curriculum development has been duly constituted with Board of Studies and Academic Council.

Similarly, the faculty are involved and the in-charge of

Internal Quality Assurance Cell (IQAC), NSS Unit Cell, IAP Cell, Grievance Redressal Cell, Universal Human Values (UHV) Cell, Women Empowerment Cell, Training & Placement Cell, Institution Innovation Council etc. Faculty members participate in a variety of groups and clubs, including the College Academic Committee, the Ethics Committee, the Admissions Committee, SC/ST Committee, the Robotics Club, and the Research Advisory Committee.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	http://www.sistk.org/organization_chart.php

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

- Academics and administrative procedures at the Institution are well-defined in terms of organizational structure. The structure is supported by Deans, Heads of coordinators of various committees and cells. Department Heads are responsible for the academic progress of their departments, beginning with subject allocation based on the faculty's experience and expertise. There is an academic committee, which ensures the quality of course materials, lesson plans, course information sheets, subject power point presentations, and video lectures. Based on input from a variety of stakeholders, including students, teachers, parents, employers, and alumni, the Department, Board of studies and the Institution Academic Council is responsible for creating curricula and rules that meet industrial trends.
- In coordination with the Deans of Academics, alumni relations, industry relations & placements, research innovation & consultancy, and student affairs, the efficient implementation of institutional policies and routine activities will be periodically monitored and

improved.

- Stakeholders feedback is essential for the best implementation of Institutional policies and practices and they are included in all committees and cells, including IQAC, the college Academic Committee, the planning and evaluation committee, the Training and placement cell, NSS, etc. towards reaching the vision.
- Conducting department-specific technical programmes to expand their knowledge.
- To foster a culture of innovation, creativity, and research among the students to help them think and develop for the benefit of the institution and themselves.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	http://www.sistk.org/cmt.php
Upload any additional information	View File

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

The Institutional organisation is well-structured to function effectively and efficiently while completing the responsibilities allocated to it in a hierarchical manner. The norms and guidelines for the academic and administrative procedures and policies are set forth by the institute, which is led by the chairman of the governing body and is followed by the vice-chairman and secretary. The Principal, IQAC, Academic Council, and Finance Committee are the leaders of the institution takes responsibility for implementing and managing the procedures. Deans, Directors of Administration, and Heads of Departments support the organisational structure and its ability to function. The roles and responsibilities of each member are well defined. Each Department has a Board of studies that develops the curriculum, and the Department Academic committee masters the execution of Departmental operations. The Department collates every member, both teaching and non-teaching and the deans actively participate in the work of numerous committees, cells, and clubs that help organise events to promote students' technical and non-

technical skills. The "Service Rules and Regulations" of Siddartha Institute of Science and Technology shall be clearly made known to all concerned. By providing the greatest facilities and remuneration in accordance with UGC rules, the institution ensures that the teachers and staff have a comfortable place to work in updating their knowledge and enhancing their qualifications. Increased MOUs, expert lecturers, Industry-institution engagement, entrepreneurship, research, and consultancy all these benefit students' growth of this Institution in a systematic manner in accordance with laws and regulations.

File Description	Documents
Paste link to Organogram on the institution webpage	http://www.sistk.org/organization_chart.php
Upload any additional information	View File
Paste link for additional Information	http://www.sistk.org/organization_chart.php

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) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

At the institution there are effective welfare programmes for

teaching and non-teaching staff. The organisation will make special efforts to organise various programmes and support for staff professional development.

For Teaching and non-teaching fraternity

- The Sixth Pay Commission's guidelines and the AICTE's hiring practises are followed when hiring new employees.
- On-campus training programmes and faculty development initiatives are executed to improve the faculty's technical expertise.
- They are encouraged to carry out the research work by establishing sufficient research facilities.
- Supporting the faculty by providing membership Fee to register membership in various professional bodies like IETE, ISTE, IE etc.
- Participation in International and National Conferences is encouraged by refunding the Registration Fee, TA, and On Duty.
- Three years of Sabbatical Leave and six days of on-duty per semester (12 days per academic year) can be availed by the teaching fraternity for professional development
- Three Days of Marital Vacation 180 days of combined maternity or sick leave is facilitated for teaching and non-teaching fraternity.
- When on duty leave, employees are encouraged to continue their research at any time and can return to work once the research is finished.
- The Institution offers Group Insurance assistance to staff members.
- Non-teaching employees and support staff are paid in accordance with the A.P. Govt. scale regulations.
- The indication of incentives, increments, and the performance appraisal system are clearly established and followed in accordance with the Institute's service regulations to regulate performance.
- 50% of transportation and Hostel concession are for employees of the Institution.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://sistk.org/mt-content/uploads/2020/01/service-rules.pdf

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

55

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

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

11

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

164

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institute successfully conducts internal and external audits on a regular basis. The smooth implementation of the Institute's audit works well in the institution. Internal and statutory auditors review the admission, HR & Payroll, procurement, and fixed asset management & financial accounting processes on a regular basis. It is based on estimates and other sources. It analyses and obtains approval from the Governing Body for the annual estimation of both recurring and non-recurring and other staff, purchases of equipment, general maintenance, and so on. The institution is in charge for developing procedures and guidelines for the institution's various financial transactions. It includes record verification, receipts and payments, income and expenditure, quarterly budget control statements, cash and funds flow statements, and balance sheet preparation. The principal and the Governing body have authorised the purchase procedures. The audit committee's observations and suggestions are communicated through their report. These suggestions are reviewed by separate institute committees comprised of the Accounts officer, internal auditor, Department concerned Head, and any other member nominated by the Director. A draft report is submitted to the Institute's head (if necessary) for finalisation of the institute's compliance report.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.sistk.org/finance_committee.php

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

0

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

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

Yes, the institution has a proper strategy for fund mobilisation, and it has been used for Institutional development. The Finance Committee is formed in accordance with UGC guidelines to monitor financial issues concerning proper allotment and optimal utilisation of funds by departments. Internal and external auditors review all financial matters on a regular basis.

Tuition, hostel, and bus fees collected from students are the primary sources of revenue. The fee is set in accordance with the guidelines of the AP State fee regulatory authority. The fixed deposits are used to cover college expenses. The interest earned on these fixed deposits is also used for the Institution's needs.

The Institute receives funding from national agencies such as AICTE, NAAC, CSIR, and others to organise workshops and seminar programmes. Faculty of this Institute applies for research grants from ISRO, DST, and other organisations to carry out funded projects. The Government also assisted the institution in establishing advanced labs. The industries are coming forward to support the institution through the industry academia programme (IAP) in terms of industry labs establishment, technical support in providing trainings, and sponsoring equipment to the existing labs. In order to construct buildings and hold workshops, seminars, and conferences for the development in the campus, the

institution is also receiving support from private organisations. Strategic budget allocations are made to pay for the upkeep of the campus, the purchase of accessories, and budget increases to improve the Institution's calibre.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.sistk.org/finance_committee.php

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The Internal Quality Assurance Cell (IQAC) has made a substantial contribution to standardize quality assurance strategies and processes, routinely examining the teaching and learning process, organisational structures and methodologies, and learning results. By participating in the following broad categories, IQAC plays a significant role.

1. Improving teaching and research quality by providing regular input to all parties involved based on student feedback.
2. Contributing to the development of best administrative practises for effective resource management and enhanced staff and student services.
3. Provide input to Academic and administrative audits and analyse results for improvement in areas where weaknesses were identified.

For approval by the Institute's statutory authorities, the Institute IQAC prepares, assesses, and makes recommendations for the Annual Quality Assurance Report (AQAR), Self-Study Reports of various accreditation bodies (UGC, NAAC, NIRF, NBA), Performance Based Appraisal System (PBAS) for Career Advancement, Stakeholder's feedback, Process Performance & Conformity, Action Taken Reports, and New Programmes in

accordance with National Missions and Government Policies. In order to improve quality, it also requires creating rubrics and checking exam questions, answer sheets, and course materials.

The Institute IQAC organised, planned, and carried out the required actions, which included creating high-quality guides and materials. The seamless integration of contemporary technology into the Institute's administrative operations through ICT was spearheaded by the IQAC.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.sistk.org/downloads/MoM%20IOAC%202021-22.pdf

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

The IQAC regularly evaluates the teaching-learning process and takes action to enhance its quality. The Institute circulates and displays the academic calendar, which is created in advance. From in-class instruction through achieving course and programme outcomes, the framework of the teaching and learning process is clearly defined. The department keeps an eye on the procedure, and it regularly gathers feedback to make the required adjustments and take appropriate action. Remedial programmes for struggling pupils and coaching for gifted children to engage in extracurricular activities by keeping an eye on their performance indicators. The system of ongoing evaluation takes into account the different co-curricular and extracurricular activities carried out in the Institute's Departments. Students participate in a variety of Committee meetings on a regular basis to provide input, and relevant actions are then taken to improve the teaching-learning process. Teachers also collect feedback from students on an individual basis using IQAC for their respective courses. The Head of the Institute also has an open ear for the students' suggestions. Head of the Departments and individual faculty members will be notified of feedback once it has been appropriately analysed. Based on the IQAC's recommendations, the teaching-learning processes are examined, and changes are made. Faculty members

are encouraged to publish work, attend conferences, and get awards for success. They are also given financial help to achieve these things.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.sistk.org/downloads/MoM%20IOAC%202021-22.pdf

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	http://www.sistk.org/downloads/Annual%20report%202021-22.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Siddhartha Institute of Science and Technology has initiated following measures to promote gender equity in the institution:

It is proud to the institution that out of 1747 total students, 543 girl students are present which is 31.08% of the total students. Also, among 173 staff, 56 lady faculty are working in the institution which is 32.37% of the total staff. Besides these, out of 9 departments, 2 departments are leading by lady faculty only.

Apart from these, the institute has Women Empowerment Cell (WEC), Women Protection Cell (WPC) and Gender Championship Committee (GCC) for creating awareness, empowering and protecting the girl students. WEC conducts various curricular and co-curricular activities to maintain gender equity in the institution. Institute provides security facilities separately for boy and girl students in the college and hostel premises, through a dedicated team of male and female security guards and 24 hour CCTV surveillance is maintained. Institute has student hostels for both boys and girls separately. Also, separate common rooms are provided for boys and girls in the institute.

In addition to these on behalf of the institution, WEC conducts some events like Constitution day, International & National Girl Child days, Women's day etc. to maintain the gender equity in the campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://sistk.org/sistk_gallery.php

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

A. Any 4 or All of the above

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

7.1.3 - Describe the facilities in the institution for the management of the following types of

degradable and non-degradable waste (within a maximum of 200 words)

Siddhartha Institute of Science and Technology (SISTK) facilitates several techniques for the management of degradable and non-degradable waste. The primary focus is to reduce, reuse and recycle the waste. The college management has also advised to refuse anything which is not needed. The college has different dustbins to segregate the different waste like solid, biomedical, etc. There are committees that deal with the minimization of waste. Eco club of SISTK actively functions involving the students to maintain greenish campus with various kinds of awareness programs to keep the campus clean and tidy. Every day the waste is collected in bins and disposed to a place where it can be converted into manure. Suitable techniques are applied for disposing of solid waste.

The bio-degradable waste shall be processed, treated and disposed of through composting within the premises as far as possible. The residual waste shall be given to the waste collectors or agency as directed by the local body. Finally, all locations and centers associated with SISTK are educated from time to time about the process of recycling the waste. Hence, SISTK is determined to provide all possible facilities to deal with the degradable and non-degradable waste.

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

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

A. Any 4 or all of the above

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

7.1.5 - Green campus initiatives include

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

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

A. Any 4 or All of the above

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

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

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

A. Any 4 or all of the above

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

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

A. Any 4 or all of the above

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

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

India is a land of "Unity in Diversity" and presents a variety of languages, culture and tradition. Siddartha

Institute of Science and Technology believes that the students with good attitude and being responsible are necessary for building a nation. In connection with, the college organizes several activities to promote a healthy environment in developing cultural, ethical, spiritual, emotional, religious values among the students and the staff. Our students are from different religions, languages and Socio-economic cultures. The celebrations in the campus not only for recreation and amusement but it enhances the unblemished relation and generates the feeling of social and communal harmony.

In the representation of Indian culture, our institution celebrates the Engineers day and traditional day, different regional festivals in addition to the International yoga Day. Along with, we organize and celebrate the orientation day, induction programme, Freshers party, teachers' day, farewell party, rallies, plantation day, women's day, yoga day etc.

By all these programmes, students get awareness towards different cultures of our nation and help in developing the positive interaction between them.

In this way, the effort of our institution is providing an inclusive environment for everyone with tolerance and harmony towards cultural, regional, linguistic, communal socio economic, and other diversities.

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

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

By introducing courses like Universal Human Values, Professional Ethics, Essence of Indian Traditional Knowledge, and Indian Constitution, various educational and other activities are being organised to infuse Human Values, Constitutional Values, Fundamental Rights, and Duties and Responsibilities of Students. We established a course in environmental study to help students build sustainable practises.

The institution hosts NSS events to provide students the chance to participate in community service projects including tree planting, blood donation drives, and health awareness events. The establishment of anti-raging cells, gender equality cells, women's empowerment cells, discipline committees, etc., plays a crucial role in ensuring the welfare of students.

Gaining information about many people from various walks of life, developing leadership qualities, and fostering student confidence. The aforementioned institution frequently observes Independence Day, Republic Day, Constitutional Day, Voters Day, Swatch Bharat, and Cleanliness Campaign to educate and raise awareness among the students about the importance of these significant holidays.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization 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 Annual awareness programmes on the Code of Conduct are organized

A. All of the above

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	View File

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

In the institution, we regularly observed calendar events that were significant for a variety of reasons, including social, national, international, economic, scientific, commemorative, and others like National Unity day, Independence day, Republic day, World Human Rights day and so on. National and international commemorative days provide an opportunity to inform staff and students about the significance of great people and their contributions to society's and a country's overall growth (on the issue of concern and to celebrate achievements of humanity). Therefore, genuine efforts were made to celebrate national and international holidays in the institute throughout the academic years. In this context, numerous events such as essay competitions, elocution competitions, quizzes, paper presentations, poster presentations, etc. relevant to the festivities were held. Elites and well-known figures were invited to speak to the gathering. It was found that the young people's thoughts were awakened, inspired, and striving toward maintaining their studies life well.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

1.Clean and Green Practices for Sustainable Environment.

2.Celebrating National and International Days.

File Description	Documents
Best practices in the Institutional website	http://sistk.org/downloads/BestPractice2021-22.pdf
Any other relevant information	http://www.sistk.org/organization_chart.php

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

The institute has a well-established placement and training wing with highly talented and dedicated staff who impart the knowledge and skills required for holistic growth to the students. Education programs develop students into creative and resourceful global leaders focused on building industry-applicable skills.

Institute provides guiding to the students for competitive exams like GATE, SAT, GRE, GMAT, IES and IELTS for higher education like M.Tech, M.S, MBA. And most of the students attempted and succeeded got admissions in highly reputed institutions. Alumni associations offer networking opportunities, Effective training, knowledge in software

languages ??like python, Java, C,C++ and embedded systems. Large number of MNCs visited the campus and conducted interviews and selected in which 85 percent of the students were selected and offered jobs with good packages. In order to support the academic growth of the students.

The Institution extends internal support to the students by conducting Various educational programs such as English language clubs with a unique English language laboratory, organizing seminars, technical exhibitions, technical symposiums, robotics clubs, seminars, group discussions, mock interviews, counselingQ-Spiders in order to enrich their academic caliber, needed communication and soft skills enabling them to succeed in all their endeavors in their life .

File Description	Documents
Appropriate link in the institutional website	http://sistk.org/placements.php
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Keeping in view the growth to be achieved of the institution in the fourth coming year 2022-2023, the action plan is prepared for implementation.

Effective steps will be initiated for the holistic developing of the students by imparting relevant and conceptualized professional skills from the entry level. The student will be provided the necessary academic guidance and Research and Projects development support in order to make their future bright and holistic. To mould their as global leaders is planned to teach collaboration as a value and skill build on assessment and analysis besides teaching ethics, tolerance and resilien help students learn through strengths and learning beyond the classroom. It is also planned to develop into high standard of Research and innovation center with all facilities besides and organizing academic and industrial awareness program by experts from IT, Industry Field.

We intend to work assiduously on preparing our scholars to

become the future global leaders they envision. Action plans are intended to be communicated to students. We emphasize assessment and analysis, teach forbearance and adaptability, assist students in learning through their areas of strength, and have an impact on literacy outside of the classroom. Additionally, it was decided to provide scholars with state-of-the-art exploration and invention installations, a variety of exploration and development, perceptive and knowledgeable academic and exploration-related mindfulness programs, and specialized and diligent Guest lectures will be given by experts in the upcoming academic year (2022-2023), in order to modernize our knowledge.