



## YEARLY STATUS REPORT - 2020-2021

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1.Name of the Institution</b>	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	08577264999
• 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, A.P, PIN - 517583
• City/Town	Puttur
• State/UT	Andhra Pradesh
• Pin Code	517583
<b>2.Institutional status</b>	
• Autonomous Status (Provide the date of conferment of Autonomy)	28/05/2018
• Type of Institution	Co-education
• Location	Rural

• Financial Status	<b>Self-financing</b>				
• Name of the IQAC Co-ordinator/Director	<b>Dr. Bathina Sreenivasulu</b>				
• Phone No.	<b>9985908752</b>				
• Mobile No:	<b>9985908752</b>				
• IQAC e-mail ID	<b>iqacsistk@gmail.com</b>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="http://www.sistk.org/AQAR/AQAR2019-20.pdf">http://www.sistk.org/AQAR/AQAR2019-20.pdf</a>				
<b>4.Was the Academic Calendar prepared for that year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="http://www.sistk.org/downloads/2020-21%20ODD%20AC.pdf">http://www.sistk.org/downloads/2020-21%20ODD%20AC.pdf</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>A</b>	<b>3.03</b>	<b>2016</b>	<b>29/03/2016</b>	<b>31/12/2023</b>
<b>6.Date of Establishment of IQAC</b>			<b>13/07/2015</b>		
<b>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.)?</b>					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	
<b>8.Provide details regarding the composition of the IQAC:</b>					
• Upload the latest notification regarding the composition of the IQAC by the HEI	<a href="#">View File</a>				
<b>9.No. of IQAC meetings held during the year</b>	<b>2</b>				

<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?</li> </ul>	<b>Yes</b>	
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded	
<b>10. Did IQAC receive funding from any funding agency to support its activities during the year?</b>	<b>No</b>	
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>		
<b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b>		
<ul style="list-style-type: none"> <li>Focus on ICT in teaching &amp; learning process</li> </ul>		
<ul style="list-style-type: none"> <li>Universal Human Values Certification</li> </ul>		
<ul style="list-style-type: none"> <li>Focus on Placement training activities</li> </ul>		
<ul style="list-style-type: none"> <li>Focus on "Outcome Based Education"</li> </ul>		
<b>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:</b>		
Plan of Action	Achievements/Outcomes	
Revision of Regulations & Syllabus	Implemented R20 Regulation	
Improving Human Ethics	Faculty through UHV Course & students through events related to ethics	
ICT support in academics & teaching and learning	Good pass percentage and academic prizes	
<b>13. Was the AQAR placed before the statutory body?</b>	<b>Yes</b>	
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>		

Name of the statutory body	Date of meeting(s)
Academic Council	02/05/2022

<b>14. Was the institutional data submitted to AISHE ?</b>	Yes
<ul style="list-style-type: none"> <li>Year</li> </ul>	

Year	Date of Submission
2022	23/02/2022

### 15. Multidisciplinary / interdisciplinary

The Siddartha institute of science and technology encourages multidisciplinary approach to curriculum integration which focuses primarily on the different disciplines and the diverse perspectives. In multidisciplinary curriculum, the same topic is studied from the viewpoint of more than one discipline. The Multidisciplinary engineering enhances the students studies and the convenience of exploring various engineering fields at once, which helps in pursuing various types of engineering roles

Our institute offering various multidisciplinary courses like Project Planning and Control Neural Networks and Fuzzy Logic Computer Aided Process Planning Strategic Management Elements of Road Traffic Safety Non-Conventional Energy Resources Business Ethics etc under opens electives, and students are also encouraged to enroll under MOOC offered by SWAYAM/NPTEL platforms on advanced or industry related subjects to gain the latest technology in engineering field.

Through a multidisciplinary approach, a student gains an arsenal of skills—problem-solving, critical thinking, time-management, self-management, communication and writing, analysis and research methodologies, team work, and much more—that are easily transferable across work environments.

Students who are desirous of pursuing their special interest areas other than the chosen discipline of Engineering may opt for additional courses in minor specialization groups offered by a department other than their parent department. For example, If Mechanical Engineering student selects subjects from Civil Engineering under this scheme, he/she will get Major degree of

**Mechanical Engineering with minor degree of Civil Engineering****16.Academic bank of credits (ABC):**

We are not registered in ABC because our institute is under affiliation of Jawaharlal Nehru Technological University Ananthapuramu (JNTUA). The university will upload all the data sheets of the students into ABC. As an autonomous institute we are planning to implement the same.

**17.Skill development:**

A good engineer needs to be a perfect fusion of all the knowledge in his discipline and life skills. Life skills bring tremendous refinement in professionals' and engineers' behaviour; they prepare them for the change and the way to approach their professional work, job market, and finally their life.

Our college collaborated with Government organizations like APSSDC, APITA and some more private organisations for the development of technical and soft skills among the students and faculty. We have introduced various common courses like Communicative English, English for Corporate Communications Skills Lab, Human Values and Professional Ethics, and multiple technical skill development programmes related to the respective disciplines for the benefit of students. All the departments organize workshops, seminars and guest lectures on latest technologies of the respective fields. Students are exposed to the Industry through Industrial visits and expert talks from Industry. Students are encouraged to do industrial training through internship. We also conduct add on courses on soft skills as well as technical advanced skills. In this era of increasing automation, engineers must have a creative and innovative mind set as well as a problem-solving orientation to be employable.

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

Our curriculum focus on Indian traditional knowledge by offering the courses like Essence of Indian Traditional Knowledge, Indian Constitution, Environmental Science to give the knowledge or practices passed down from generation to generation that form part of the traditions or heritage of Indigenous communities. the college also celebrates commemorative days by conducting different types of events such as seminars, awareness camps , painting ,and other competitions to give the importance of celebration and also provide the knowledge.

**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:**

Our institute is not offering distance education or online education.

### **Extended Profile**

#### **1.Programme**

1.1 9

Number of programmes offered during the year:

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

#### **2.Student**

2.1 1457

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>

2.2

**294**

Number of outgoing / final year students during the year:

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

2.3

**1446**

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

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

**3.Academic**

3.1

**327**

Number of courses in all programmes during the year:

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

3.2

**163**

Number of full-time teachers during the year:

## Extended Profile

### 1. Programme

1.1	<b>9</b>
Number of programmes offered during the year:	

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

### 2. Student

2.1	<b>1457</b>
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>

2.2	<b>294</b>
Number of outgoing / final year students during the year:	

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

2.3	<b>1446</b>
Number of students who appeared for the examinations conducted by the institution during the year:	

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

### 3. Academic

3.1	<b>327</b>
Number of courses in all programmes during the year:	

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



3.2	163
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.3	35
Number of sanctioned posts for the year:	
<b>4.Institution</b>	
4.1	239
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	40109285
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	<a href="#">View File</a>
Link for additional information	<a href="http://sistk.org/ece_dept.php">http://sistk.org/ece_dept.php</a>

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

9

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	<a href="#">View File</a>
MoUs with relevant organizations for these courses, if any	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 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	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

### 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	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

## 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.

#### 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.

#### 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.

#### 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.

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	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

4

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

732

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

299

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 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	<a href="http://www.sistk.org">http://www.sistk.org</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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	<a href="http://sistk.org/ece_dept.php">http://sistk.org/ece_dept.php</a>
Any additional information	<a href="#">View File</a>

## 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

463

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

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

239

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

### 2.2 - Catering to Student Diversity

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

Every year, when the students enter into the program, the institute organises an orientation program and conduct an entry level assessment test to analyse the knowledge levels. Bridge Courses are conducted for the students to inculcate the knowledge gap for the under graduate levels.

All the students from I year to IV year based on their performance in Mid examinations, End Examinations are categorized into slow learners and advanced learners. Students who secure 60% and above in Mid / End examinations and the students who are identified by the councellors through the interaction are categorized as Advance Learners and remaining students are considered as slow learners.

Advanced learners are:

- Motivated and mentored to improve the CGPA.
- Encouraged to participate in technical and non-technical events to make them compete with real world.
- Provided with challenging assignments involving problem-solving methodologies.
- Given opportunity as office bearers of the Department Association to improve team leading capability.

Slow learners are:

- Provided with extra guidance in the remedial classes to improve their academic performance.
- Provided counselling and regularly monitored by the faculty mentors in all aspects

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

### 2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/07/2020	1457	163

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

### 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:

The institution provides necessary facilities and support to student centric learning. Methods such as experiential learning, participative learning and problem-solving methodologies are used to make Teaching-learning interesting and effective.

**Experiential learning:** The institute encourages the students to carry out Internships, Mini Projects, Industrial Training and Field Trip/Industrial visit at reputed industries. By Learning and Performing, students can relate the classroom knowledge to real-time applications.

**Participative learning:** At institute level, several Seminars/Webinars, Guest Lectures and training programs are organised by inviting eminent personalities from reputed industry and Academic institutes to bridge the knowledge gap between academics and industry. Technical Events are conducted through Department Association activities every academic year making them confident enough on their own self capabilities and abilities. Students are also encouraged to upgrade their knowledge by doing online courses.

**Problem Solving Methodologies:** Students are encouraged to find out the solutions for real time problems via case studies, hackathon and field/industrial projects. Assignments in higher level of thinking are given to the students. Tutorial classes are being conducted for analytical courses in which modern pedagogical tools like group tutorial, collaborative learning are practiced by the students for improving their problem solving ability

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

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

The use of ICT resources is the most successful tool for improving student's conceptual knowledge, creativity, communication skills and problem solving ability. Faculty members are educated to use ICT technologies through training programs at the institution. Also, faculties enhance their skills by attending various faculty development programs organized by the reputed institutions.



The institute provides necessary resources such as recording studio with High-end equipment's, Laptop for every faculty, 300 Mbps speed internet access and pentablet for the effective teaching learning. All the faculties in the institution uses ICT technologies to supplement traditional classroom instructions.

Zoom Platform is used for online classes, Virtual labs and other online simulation tools are used for the demonstration and better understanding of the concepts. The Power Point Presentations of the all the courses along with the recorded video links/ online video links are provided for the students. All the students and faculties are the member of National Digital Library of India (NDLI) which makes the learners community learning resources through a single-window, National Mission on Education through Information and Communication Technology (NMEICT).

The usage of LCD projectors in classrooms and seminar halls enhances the ICT enables the teaching learning process

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://drive.google.com/drive/u/1/folders/162SIqUdRsevEx0D7A68ymnRPC_EnkPEn">https://drive.google.com/drive/u/1/folders/162SIqUdRsevEx0D7A68ymnRPC_EnkPEn</a>
Upload any additional information	<a href="#">View File</a>

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

#### 2.3.3.1 - Number of mentors

163

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	<a href="#">View File</a>

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

The institution prepares an Academic Calendar where the classwork schedule, mid examination, end semester examinations, semester break duration and commencement of next semester are placed, in

consultation with all Head of Departments and exam cell. Based on the calendar all the departments plan the academic activities and events to be organized. After approval by the academic committee, it is circulated to all departments, faculty, and students through the institution website.

All the subject faculty prepares the lesson plan and course information sheet according to the academic calendar. These lesson plans are verified by the department academic committee. All the faculty prepares the course materials, PPTs and Lecture notes for their allotted subjects. The class Time table and the faculty time table is prepared by the departments and approved by Principal.

The faculty prepare the course file which includes:

- Vision and Mission (Institute and department)
- Syllabus Copy (Relevant regulation)
- Course information sheet with CO-PO mapping
- Lesson plan (Detailed unit wise lecture plan)
- Handwritten Lecture notes (as per current regulation)
- Question Bank
- Bit Bank
- Previous end exam and mid question papers
- PPTs (soft copy)
- Soft copy of the video lectures
- Assignment and tutorial questions

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

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

35

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

16

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	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

606

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**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**

28

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

72

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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 is a unique central division in the Institute that caters for the needs of all stakeholders. It strives to formulate a credible and reliable evaluation system. It emphasizes a strict and flawless examination system maintaining uniformity and consistency in assessment and evaluation. The Academic calendar is released at the beginning of every academic year and is made available to the students through the college website. Handbook is given to the Students that consist of all academic rules and regulations, course structures and syllabi. All the courses are assessed in two stages viz., Continuous Internal Evaluation and Semester End Examination. Two sets of question papers for the end exam should be prepared by doctorate holding external faculty only. Qualitative question paper will be prepared as per BLOOMS Taxonomy levels. The scheme of evaluation for the question paper shall be prepared in a detailed manner with sub-divisional marks. We strive to implement unbiased and uniform evaluation to all students in each course. We have uploaded the end exam previous question papers in the institute website under exam cell module. Students can use the sample question paper as a reference and can see how the question paper pattern would be.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="http://www.sistk.org/exam_cell_notifications.php">http://www.sistk.org/exam_cell_notifications.php</a>

## 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 Institute forms COs using Blooms taxonomy based on the guidelines for all the courses and PSOs for all programmes and communicate to all the stakeholders. The departments formulates the Program Educational Objectives (PEOs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) for all of the curriculum's courses. The department gathers input from various stakeholders, analyse and prepares PSOs, which are then reviewed by Department Academic Committee, approved by the BoS and Academic Council.

#### Guidelines for CO formation:

1. Minimum six COs must be defined by following 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 prepared must be mapped with the COs, must be clear and achievable.
4. COs are restricted up to Level 4 for theory courses, Level 5 for laboratory courses and Level 6 for Main/Mini projects.

#### Mechanism for publication and dissemination:

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

1. Displayed at prominent Places
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)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="#">NIL</a>

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

For each course, six course outcomes (COs) are framed using Blooms taxonomy and the COs are evaluated using assessment tests and end-

semester examinations. CIE result measurement is obtained from various assessments such as two mid examinations with objective and descriptive questions, Assignments and end exams. The weightage of marks is 40% for internal examination and 60% for the endsemester exam.

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	<a href="#">View File</a>
Paste link for additional Information	<a href="#">NIL</a>

## 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

261

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="http://www.sistk.org/downloads/Annual%20report%202020-21.pdf">http://www.sistk.org/downloads/Annual%20report%202020-21.pdf</a>

## 2.7 - Student Satisfaction Survey

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

<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 stakeholders.

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	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="http://www.sistk.org/policies/R&amp;D%20Policy.pdf">http://www.sistk.org/policies/R&amp;D%20Policy.pdf</a>
Any additional information	<a href="#">View File</a>

### 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)

#### 2.02

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

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

30



File Description	Documents
e-copies of the award letters of the teachers	<a href="#">View File</a>
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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	<a href="#">View File</a>
List of projects and grant details	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 3.2.2 - Number of teachers having research projects during the year

0

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="#">NIL</a>
List of research projects during the year	<a href="#">View File</a>

#### 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	<a href="#">View File</a>
Institutional data in Prescribed format	<a href="#">View File</a>

### 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	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="#">NIL</a>
Any additional information	<a href="#">View File</a>

### 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	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.sistk.org/iicabout.php">http://www.sistk.org/iicabout.php</a>

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

2

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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**

A. All 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	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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

0

File Description	Documents
URL to the research page on HEI website	<a href="#">NIL</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

0.05

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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	<a href="#">View File</a>
Paste link for additional information	<a href="#">NIL</a>

### 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

10

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>

### 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

14

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.5 - Consultancy

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

3.08

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

0.45

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<a href="#">View File</a>
List of training programmes, teachers and staff trained for undertaking consultancy	<a href="#">View File</a>
List of facilities and staff available for undertaking consultancy	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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	<a href="#">View File</a>
Paste link for additional information	<a href="#">NIL</a>

### 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

2

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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)

7

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

1210

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 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

3

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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)

12

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

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

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

#### Response:

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, laboratories, seminar halls, and world class auditorium. The entire campus is covered and



monitored by CCTV cameras for safety and security reasons. 41 Classrooms equipped with ICT facilities, Tutorial Rooms, 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 computing facility, all computer laboratories are fully equipped with the latest high configured 920 Systems and required software's with internet capacity of 300 Mbps is available.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.sistk.org/downloads/2021amenity.pdf">http://www.sistk.org/downloads/2021amenity.pdf</a>

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

#### 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 40000-seat open-air auditorium at the Institute, which facilitates the conductance of cultural functions.
- The Institute celebrates Fresher's Day, annual day, Associations etc.

#### 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.
- College teams are formed to compete in State and University-level contests, as well as other intercollege events.
- Outdoor games like Ball badminton, Shuttle,Cricket etc. and Indoor games like Chess, Carrom boards are available.

#### 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.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.sistk.org/downloads/2021amenity.pdf">http://www.sistk.org/downloads/2021amenity.pdf</a>

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

46

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

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

111.24

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 4.2 - Library as a Learning Resource

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

College has a spacious Central Library with 790 sq.m and can accommodate 200 users. It is automated with version 3.1.1 New Gen Lib, an Intergated Library Management System. We have version 1.1 of the IMPRES ERP(Dolphin Software Solution), 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.

#### Journal:

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

- Reading Room
- Digital Library with 20 systems
- Project discussion Room
- Binding room with reprographic facility

Our Library has IEEE, JGATE, Taylor & Francis, NLIST, NDLI CLUB, EBSCO, NPTEL and DELNET subscriptions.

The Library subscribes to full-text e-resources providing access to e-journals and e-books, etc. Our Library offers NPTEL video content and web courses to the students and faculty members to update their Subject Knowledge and learn beyond the syllabus.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.sistk.org/library.php">http://www.sistk.org/library.php</a>

**4.2.2 - Institution has access to the following: A. Any 4 or more of the above 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	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

14.70

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

**4.2.4 - 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**

135

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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. 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. Wi-Fi access points are placed in various places.

#### 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. All the domains rely on secure communication protocols for information exchange. The domain of the college possess data security features such as Software Security, SSL Support, Regular Backups, DDoS Attack Monitoring, Malware Scanning, Firewall Protection, etc. The college intranet is secured with dedicated firewall protection sourced from LIMRAS ERONET who is a leading enterprise security solutions provider.

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	<a href="#">View File</a>
Paste link for additional information	<a href="#">NIL</a>

### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
1457	920

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

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

**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	<a href="#">View File</a>
Paste link for additional information	<a href="#">NIL</a>
List of facilities for e-content development (Data Template)	<a href="#">View File</a>

**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)**

**122.09**

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

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. At the end of each year, the lab in-charge will check the working condition of all laboratory equipment's for regular maintenance.

#### 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 user's feedback. The library committee will perform the audit of the books before the commencement of every academic year.

#### 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 are cleaned and maintained hygienically. A housekeeping supervisor with his team ensures that

the cleaning job is carried out regularly.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.sistk.org/downloads/2021amenity.pdf">http://www.sistk.org/downloads/2021amenity.pdf</a>

## 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

1039

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

34

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

**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	<a href="http://www.sistk.org/placements.php">http://www.sistk.org/placements.php</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

295

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**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	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 5.2 - Student Progression

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

202

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.2.2 - Number of outgoing students progressing to higher education

18

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

### 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**

14

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 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**

0

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

### 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	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.sistk.org/cmt.php">http://www.sistk.org/cmt.php</a>

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

3

File Description	Documents
Report of the event	<a href="#">View File</a>
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 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 1543 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 5,98,000 has been donated to the college by the alumni association.

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

**5.4.2 - Alumni's financial contribution during the year**

**C. 5 Lakhs - 10 Lakhs**

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

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

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

As part of its vision and mission, the college strives to serve students better. College governance reflects the college's mission and vision to reach the goal of the students to serve better in society.

Reflections of the governance of the Institution:

Under the administration of Chairman, the Principal, deans and various administration and academic committees work together along with faculty to establish different committees to plan and implement various academic, student administration and related policies. Establishment of uniform exposure of faculty members for academic and professional development duties, the institution has various committees and cells where all the internal and external stakeholders are involved in decision making.

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 its responsibility for plans and activities, and successfully carry out these responsibilities in every academic session. The curriculum development takes place according to the guidelines of AICTE, local needs and APSCHE. Principal continuously monitors towards academic welfare, staff involvement and student participation in all skill oriented and academic activities. The financial requirements according to the needs proposed by the various departments are approved by the finance committee.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="http://www.sistk.org/governing_body.php">http://www.sistk.org/governing_body.php</a>

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

**The Institution practices decentralization and participative management:**

- The Institution has well defined organizational structure for effective implementation of academics and administrative procedures. The structure is supported by deans, Heads of coordinators of various committees and cells. The heads of the Departments are responsible for academic progress of the department starting from subject allocation based on experience and expertise of the faculty. The department academic committee takes the responsibility of checking the quality of the lesson plans, course information sheets, subject PPTs and video lectures and material of the subject prepared by the faculty of the department.
- Department board of studies and college Academic council takes responsibilities of preparation of syllabi and regulations as per the current industrial needs based on the feedback of various stake holders' students, faculty, parents, employers and Alumni.
- The effective execution of the various institutional policies and regular activities will be regularly monitored and revised with the help of the deans of academics, alumni relations, industrial relations & placements, research innovation & consultancy, and student affairs.
- All the committees and cells like IQAC, College Academic committee, Planning and evaluation committee, Training and placement cell, NSS etc. involve stake holders for their valuable input and feedbacks for effective implementation of institutional procedures and practices.

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

## 6.2 - Strategy Development and Deployment

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

- The institute has outlined its strategic plan, which is presented to all institute stakeholders and includes attainable targets and clear execution methods for the next 5 years.
- Plan to introduce new UG programmes pertaining to Computer Science and Engineering allied courses to attain the various industrial needs and trends in future.
- To develop innovation, creativity, and research culture among the students to think and grow up for the betterment of self and the Institution.
- Focus on the excellence of infrastructure, for a good working ambience and principled work culture.
- Extend high-quality research from faculty members of the Institution to improve quality of education.
- Plan and establish skill Development centres for the benefit of students.
- Improve the admissions in various branches with outreach activities.
- Takes the initiatives of Industry Academia Partnership (IAP), and Institution Innovative Council (IIC) where the institute continuously interacting with industry to develop the collaborative work through MOU's.
- Monitoring the department's activities like, Expert lectures, field visits, internships and industrial visits for the student's.
- Enhance the training and placement activities with collaboration of training institutes. To enhance the employability skills, soft skills and aptitude.
- Conducting technical Programs department wise to enrich their knowledge.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.sistk.org/organization_chart.php">http://www.sistk.org/organization_chart.php</a>
Upload any additional information	<a href="#">View File</a>

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 organization is well structured to operate effectively and efficiently while carrying out the hierarchically assigned tasks. Institute Headed by chairman, governing body, followed by vice-chairman/secretary frames the rules and guidelines for the academic and administration procedures and policies. The procedures are implemented and monitored by the heads of the institution - Principal, IQAC, academic council and finance committee. Further the functioning of the structure is supported by head of the departments, Deans and director administration. All the members responsibilities and duties are well defined. Each department is having Board of studies to prepare the curriculum and the implementation of department activities are monitored by department academic committee. All the teaching and non-teaching members are involved in the activities of the department. Deans will take active part in the functioning of various committees cells and clubs which helps in conducting activities to promote technical, non-technical skills of the student. The "Service Rules and Regulations" of the Siddartha Institute of Science and Technology are clearly disseminated to all the stakeholders. The institution ensures a conducive work environment for the faculty and staff by providing the best facilities and salaries as per the UGC guidelines for updating knowledge and improving their qualifications. Students benefit from increased industry-institution interaction, MOUs, expert lecturers, entrepreneurship, research, and consultancy. Systematic growth of the institute in accordance with rules and regulations.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="http://www.sistk.org/organization_chart.php">http://www.sistk.org/organization chart.php</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="http://sistk.org/mt-content/uploads/2020/01/service-rules.pdf">http://sistk.org/mt-content/uploads/2020/01/service-rules.pdf</a>

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

A. All of the above



File Description	Documents
ERP (Enterprise Resource Planning) Document	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

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

The Institution has effective welfare measures for teaching and nonteaching staff. Institution will take at most care in career development of the staff by organizing different programs and support.

#### Teaching staff and non-teaching staff

- Staffs are being recruited in accordance with the AICTE norms and procedures, as well as the Sixth Pay Commission.
- Training programs and Faculty Development programmes are being conducted on the campus to enhance technical knowledge of the faculty.
- They are been encouraged to carry out the research works by establishing sufficient research facilities.
- Membership Fee is provided to enroll membership in various professional bodies like IETE, ISTE, IE etc.
- Seed money is provided for research projects.
- Registration Fee, TA and On Duty are provided for taking part in International and National Conferences
- 12 Days of On Duty ( 6 Days per Semester) for professional development 3 Years of Study leave for higher education
- 3 Days of Marriage Leave 180 Days of Maternity Leave /Medical Leave
- Staffs are encouraged with duty leave to continue their research at any time during their service and can be rejoined for duty after research completion.
- Group insurance support is provided by the institution for

the benefit of staff.

- Pay scales according to the A.P. Govt. scale norms are being followed for non-teaching and supporting staff.
- For regularization of services, the declaration of incentives, increments, and appraisal performance system are clearly defined and followed as per the service rules of the institute.
- 50% Transportation and hostel concession for College staff.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://sistk.org/mt-content/uploads/2020/01/service-rules.pdf">http://sistk.org/mt-content/uploads/2020/01/service-rules.pdf</a>

### 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

32

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

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

9

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 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.)

333

File Description	Documents
Summary of the IQAC report	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 6.4 - Financial Management and Resource Mobilization

### 6.4.1 - Institution conducts internal and external financial audits regularly

The Institute successfully carries out internal and external audits regularly. The smooth conduction of the audit of the institute functions well in the institution. The audit system reviews the processes of admission, HR & Payroll, procurement, and fixed asset management & financial accounting by the internal auditors as well as the statutory auditors regularly. It estimates the budget relating to income from fees and other sources. It analyses the annual estimation of both recurring and non-recurring expenditure such as salaries of teaching, non-teaching, supporting and other staff, purchases of equipment, general maintenance, etc., and obtains approval from the Governing Body. The institution is responsible for the formulation of procedures and guidelines for various financial transactions pertaining to the institution. It comprises the verification of records, receipts and payments, income and expenditure, quarterly budget control statements, statements related to cash and funds flow, and the preparation of the balance sheet. Purchase procedures are being authorized by the principal and the governing body. All observations and objections of the audit committee are communicated through their report. These objections are examined by separate committees of the institute consisting of the accounts officer, internal auditor, concerned head of the department, and any other member nominated by the director. A Draft report is submitted to the head of the institute (if necessary) for finalizing the compliance report of the institute.

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

#### 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	<a href="#">View File</a>
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

Yes, the Institution has a proper strategy for mobilization of funds and it has been utilized for the development of Institution. The Finance Committee is constituted as per the guidelines of UGC to monitor the financial issues regarding proper allotment and optimal utilization of the funds by the departments. All the financial matters are audited periodically by internal and external.

The primary source of revenue is the tuition, hostel and bus fee collected from students. The fee is fixed as per the guidelines of the AP State fee regulatory authority. The fixed deposits are used for the expenditure of the college. The interest earned on these fixed deposits is also utilized for the needs of the institution.

The Institute takes support from national funding agencies like AICTE, NAAC, CSIR etc. for organizing the workshops and seminar programs. Institute faculty applies for research grants to ISRO, DST etc. to execute funded projects. The Institution also supported by government in establishing the advanced labs. Through industry academia program (IAP) the industries coming forward to support the institution in terms of industry labs establishment, technical support in providing trainings and sponsor equipment to the existing labs. The institution is also taking support from the

private organization in establishing the facilities and conducting Workshops, Seminars and Conferences for the development of the Institution. Allocating funds for the purchase of accessories, maintenance of the campus and allocating the budget to increase the Institution's quality is done strategically.

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

## 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)

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals. IQAC plays major role by involving in the following broad categories.

1. Improvement in quality of teaching and research by regular inputs to all concerned based on feedback from students.
2. Providing inputs for best practices in administration for efficient resource utilization and better services to students and staff.
3. Providing inputs for Academic and Administrative Audit and analysis of results for improvement in areas found weak.

The Institute IQAC prepares, evaluates and gives recommendations for 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, New Programmes as per National Missions and Govt. Policies for approval by the Institute statutory authorities. It also involves in Rubrics preparation, verification of Question papers, answer scripts and course materials in the process of quality enhancement.

The Institute IQAC planned, organized and executed the necessary steps that included the preparation of quality manuals and materials. The IQAC led efforts to the successful implementation of modern technology in the Institute's administrative functioning through ICT.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.sistk.org/IOAC%20MOM/IOAC%20MINUTES%202020-21.pdf">http://www.sistk.org/IOAC%20MOM/IOAC%20MINUTES%202020-21.pdf</a>

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 continuously reviews and takes steps to improve the quality of the teaching-learning process. The Academic Calendar is prepared in advance, displayed and circulated in the Institute. The teaching learning process structure is clearly defined from classroom teaching up to course and program outcomes attainment. The process is monitored by the department and feedbacks are collected at regular intervals for necessary corrections and actions. Remedial classes for weak students and mentoring of bright students to participate in additional activities by monitoring the performance factors of the students. The system of continuous evaluation, also consider the various co-curricular, extracurricular activities conducted in the departments of the Institute. Various Committee meetings are regularly conducted with students to take feedback and appropriate steps are taken to enhance the teaching-learning process. Feedback from students is also taken individually by teachers for their respective courses, directly through IQAC. Students are also free to approach the Head of the Institute for feedback and suggestions. Feedback is properly analysed and shared with the HODs and individual faculty members. The teaching-learning processes are reviewed, and improvements implemented, based on the IQAC recommendations. Faculty member are encouraged and provided with financial support to do publications, to attend conferences and awarded for good results.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.sistk.org/IQAC%20MOM/IQAC%20MINUTES%202020-21.pdf">http://www.sistk.org/IQAC%20MOM/IQAC%20MINUTES%202020-21.pdf</a>

**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	<a href="http://www.sistk.org/downloads/Annual%20report%202020-21.pdf">http://www.sistk.org/downloads/Annual%20report%202020-21.pdf</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## **INSTITUTIONAL VALUES AND BEST PRACTICES**

### **7.1 - Institutional Values and Social Responsibilities**

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

The concept recognizes that women and men have different needs and power and that these differences should be identified and addressed in a manner that rectifies the imbalances between the sexes. This may afford equivalent in terms of rights, benefits, obligations and opportunities.

To avoid gender discrimination equal opportunities is being given for both the women and men students to take part in all the activities to be conducted on all occasions like Fresher's day,

sports, technical symposia, college anniversary day etc. In recruitment process we will providing equal opportunity to both men and women. Equal opportunity is being given to the men and women students separately in appointing class representatives. A Seminar had been conducted on the theme of "Gender equity and Diversity" to create awareness among the students in promoting gender equality and discriminating either gender should be avoided.

Institute should provide a wide-ranging range of security facilities especially for girls within the college premises, through a dedicated team of female security guards and 24 hour CCTV surveillance is maintained. Faculty advisors are assigned the responsibility of mentoring and counseling of the students boys and girls both. Women Empowerment Cell is also active in the college. Separate common room facilities for both female and male students are available in the college.

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

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

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

Our Institution has good number of facilities for the management of degradable and non-degradable waste. As a part of the disposal of solid waste i.e. waste papers are handover to academy of gandhian studies Tirupati regd no:203/1976 who will recycle the paper in proper way. All other solid waste is collected by Safai workers and they segregate and discard the waste to the dustbin



provided for each floor. Dustbins are emptied and sending the containers handed over to Municipal Corporation, Puttur. All the liquid waste is disposed through proper drainage system connecting with a closed water tank and the tank is cleaned regularly. In the chemistry laboratory, organic solvents are collected in a special container, chemically compatible, securely fitted with a tight-fitting lid and labeled as hazardous waste and safety aspects before utilizing them. Corrosive liquids are appropriately diluted to a pH between 5.5 and 10.5 before they can be given to sinking pits.

E-waste collected from Electronic, computer and other departments like floppy discs and memory sticks generates as do chips, motherboards, discs, cartridges, and printers. All the equipments are regularly serviced and some equipment replaced by buying a new machine. The buyback option is taken for technology up gradation. The e-waste generated from hardware that cannot be reused or recycled is disposed to vendors.

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

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus** A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**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	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>

### 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	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres

A. Any 4 or all of the above

**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.**

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

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, 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 traditional day, different regional festivals in addition to the national festivals specifically Independence Day and Republic 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)	<a href="#">View File</a>

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

To inculcate Human values, Constitutional values, fundamental rights and duties and responsibilities of students various educational and other activities being organized, by introducing the courses like Universal Human values , professional ethics, Essence of Indian traditional knowledge and Indian constitution.To develop the sustainable strategies we introduced a course Environmental studies.

NSS activities are being conducted in the college to give opportunity to the students to take part in societal development activities like blood donation camps, health awareness camps tree planting etc. Anti raging cell, Gender champion ship cell, women empowerment cell, discipline committee etc, are established which plays vital role for the sake of students welfare.

In order to makes the students confident, development of leadership skills and to gain knowledge about different people from the different walks of life.The aforesaid institution has been celebrating Independence Day, Republic Day, Constitutional Day, Voters Day, Swatch Bharat , Cleanliness Drive every year regularly to bring awareness and enlightening the students regarding the significance of the important days.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**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	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

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. 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 2020-21. 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	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 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

### Best practices:

Our Institution focuses on advanced teaching learning process to enable the students and faculties to get through technological advancements for academic process. Using ICT tools in academics not only goes updating with the technology but also using it according to the stream such that the employees of the institution and students are technically equipped. The Institution particularly gives attention to go with the flow of technological advancements and requirements. Even though remote learning was essential due to the pandemic situation, our institution has a special role in that it should reach even students from urban areas to ensure quality instruction. For instance, when they are unable to connect over online platform due to network issues the related videos to the concept will be sent for preparation. Further, students who missed the class will be monitored and contacted for attending regularly. Overall, ICT is used by this institution to reach the students throughout their learning process.

File Description	Documents
Best practices in the Institutional website	<a href="http://sistk.org/downloads/BestPractice2020-21.pdf">http://sistk.org/downloads/BestPractice2020-21.pdf</a>
Any other relevant information	<u>NIL</u>

### 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 necessary steps were taken for effective online teaching to the students. In this context the required PPTs were prepared adopting, using latest techniques like animation, images and graphics pertaining to the subjects concerned for the absolute attention and interest of the students. The needed video lessons for theory and laboratory were prepared by the faculty of the subjects concerned and they are made available in the web links, enabling the students to view and review whenever they need.

Prepared material related to each and every subject which were uploaded in the college website before commencement of class work. We motivate the students registration through NPTEL, NDLI, SWAYAM etc for their self learning abilities are enhanced to grow independent learning. The online teaching was very successfully carried out and the aforesaid institution was able to save the academic year 2020 and the students were very happy, satisfied, well prepared, and passed their exam well. It was learned that the abrupt conversion of conventional face-to-face instruction to the online mode.

## 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	<a href="#">View File</a>
Link for additional information	<a href="http://sistk.org/ece_dept.php">http://sistk.org/ece_dept.php</a>

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



9

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	<a href="#">View File</a>
MoUs with relevant organizations for these courses, if any	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 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	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

### 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	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

### 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.

#### 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.

#### 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.

#### 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.

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	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

4

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

732

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

299

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.4 - Feedback System

<b>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</b>	<b>A. All 4 of the above</b>
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File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="http://www.sistk.org">http://www.sistk.org</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

<b>1.4.2 - The feedback system of the Institution comprises the following</b>	<b>A. Feedback collected, analysed and action taken made available on the website</b>
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File Description	Documents
Provide URL for stakeholders' feedback report	<a href="http://sistk.org/ece_dept.php">http://sistk.org/ece_dept.php</a>
Any additional information	<a href="#">View File</a>

## 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

**463**

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

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

**239**

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

## 2.2 - Catering to Student Diversity

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

Every year, when the students enter into the program, the institute organises an orientation program and conduct an entry level assessment test to analyse the knowledge levels. Bridge Courses are conducted for the students to inculcate the knowledge gap for the under graduate levels.

All the students from I year to IV year based on their performance in Mid examinations, End Examinations are categorized into slow learners and advanced learners. Students who secure 60% and above in Mid / End examinations and the students who are identified by the councellors through the interaction are categorized as Advance Learners and remaining students are considered as slow learners.

Advanced learners are:

- Motivated and mentored to improve the CGPA.
- Encouraged to participate in technical and non-technical events to make them compete with real world.
- Provided with challenging assignments involving problem-solving methodologies.
- Given opportunity as office bearers of the Department Association to improve team leading capability.

Slow learners are:

- Provided with extra guidance in the remedial classes to improve their academic performance.
- Provided counselling and regularly monitored by the faculty mentors in all aspects

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

### 2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/07/2020	1457	163

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

### 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:

The institution provides necessary facilities and support to student centric learning. Methods such as experiential learning, participative learning and problem-solving methodologies are used to make Teaching-learning interesting and effective.

**Experiential learning:** The institute encourages the students to carry out Internships, Mini Projects, Industrial Training and Field Trip/Industrial visit at reputed industries. By Learning and Performing, students can relate the classroom knowledge to real-time applications.

**Participative learning:** At institute level, several Seminars/Webinars, Guest Lectures and training programs are organised by inviting eminent personalities from reputed industry and Academic institutes to bridge the knowledge gap between academics and industry. Technical Events are conducted through Department Association activities every academic year making them confident enough on their own self capabilities and abilities. Students are also encouraged to upgrade their knowledge by doing online courses.

**Problem Solving Methodologies:** Students are encouraged to find out the solutions for real time problems via case studies,

hackathon and field/industrial projects. Assignments in higher level of thinking are given to the students. Tutorial classes are being conducted for analytical courses in which modern pedagogical tools like group tutorial, collaborative learning are practiced by the students for improving their problem solving ability

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

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

The use of ICT resources is the most successful tool for improving student's conceptual knowledge, creativity, communication skills and problem solving ability. Faculty members are educated to use ICT technologies through training programs at the institution. Also, faculties enhance their skills by attending various faculty development programs organized by the reputed institutions.

The institute provides necessary resources such as recording studio with High-end equipment's, Laptop for every faculty, 300 Mbps speed internet access and pentablet for the effective teaching learning. All the faculties in the institution uses ICT technologies to supplement traditional classroom instructions.

Zoom Platform is used for online classes, Virtual labs and other online simulation tools are used for the demonstration and better understanding of the concepts. The Power Point Presentations of the all the courses along with the recorded video links/ online video links are provided for the students. All the students and faculties are the member of National Digital Library of India (NDLI) which makes the learners community learning resources through a single-window, National Mission on Education through Information and Communication Technology (NMEICT).

The usage of LCD projectors in classrooms and seminar halls enhances the ICT enables the teaching learning process

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://drive.google.com/drive/u/1/folders/162SIqUdRsevEx0D7A68ymnRPC_EnkPEn">https://drive.google.com/drive/u/1/folders/162SIqUdRsevEx0D7A68ymnRPC_EnkPEn</a>
Upload any additional information	<a href="#">View File</a>

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

#### 2.3.3.1 - Number of mentors

163

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	<a href="#">View File</a>

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

The institution prepares an Academic Calendar where the classwork schedule, mid examination, end semester examinations, semester break duration and commencement of next semester are placed, in consultation with all Head of Departments and exam cell. Based on the calendar all the departments plan the academic activities and events to be organized. After approval by the academic committee, it is circulated to all departments, faculty, and students through the institution website.

All the subject faculty prepares the lesson plan and course information sheet according to the academic calendar. These lesson plans are verified by the department academic committee. All the faculty prepares the course materials, PPTs and Lecture notes for their allotted subjects. The class Time table and the faculty time table is prepared by the departments and approved by Principal.

The faculty prepare the course file which includes:

- Vision and Mission (Institute and department)
- Syllabus Copy (Relevant regulation)



- Course information sheet with CO-PO mapping
- Lesson plan (Detailed unit wise lecture plan)
- Handwritten Lecture notes (as per current regulation)
- Question Bank
- Bit Bank
- Previous end exam and mid question papers
- PPTs (soft copy)
- Soft copy of the video lectures
- Assignment and tutorial questions

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

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

35

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

16

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	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time

**teachers' total teaching experience in the current institution)**

606

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**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**

28

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

72

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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 is a unique central division in the Institute that caters for the needs of all stakeholders. It strives to formulate a credible and reliable evaluation system. It emphasizes a strict and flawless examination system maintaining uniformity and consistency in assessment and evaluation. The**

Academic calendar is released at the beginning of every academic year and is made available to the students through the college website. Handbook is given to the Students that consist of all academic rules and regulations, course structures and syllabi. All the courses are assessed in two stages viz., Continuous Internal Evaluation and Semester End Examination. Two sets of question papers for the end exam should be prepared by doctorate holding external faculty only. Qualitative question paper will be prepared as per BLOOMS Taxonomy levels. The scheme of evaluation for the question paper shall be prepared in a detailed manner with sub-divisional marks. We strive to implement unbiased and uniform evaluation to all students in each course. We have uploaded the end exam previous question papers in the institute website under exam cell module. Students can use the sample question paper as a reference and can see how the question paper pattern would be.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="http://www.sistk.org/exam_cell_notifications.php">http://www.sistk.org/exam_cell_notifications.php</a>

## 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 Institute forms COs using Blooms taxonomy based on the guidelines for all the courses and PSOs for all programmes and communicate to all the stakeholders. The departments formulates the Program Educational Objectives (PEOs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) for all of the curriculum's courses. The department gathers input from various stakeholders, analyse and prepares PSOs, which are then reviewed by Department Academic Committee, approved by the BoS and Academic Council.

Guidelines for CO formation:

1. Minimum six COs must be defined by following 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 prepared must be mapped with the COs, must

be clear and achievable.

4. COs are restricted up to Level 4 for theory courses, Level5 for laboratory courses and Level 6 for Main/Mini projects.

Mechanism for publication and dissemination:

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

1. Displayed at prominent Places
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)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="#">NIL</a>

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

For each course, six course outcomes (COs) are framed using Blooms taxonomy and the COs are evaluated using assessment tests and end- semester examinations. CIE result measurement is obtained from various assessments such as two mid examinations with objective and descriptive questions, Assignments and end exams. The weightage of marks is 40% for internal examination and 60% for the endsemester exam.

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	<a href="#">View File</a>
Paste link for additional Information	<a href="#">NIL</a>

### 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

261

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="http://www.sistk.org/downloads/Annual%20report%202020-21.pdf">http://www.sistk.org/downloads/Annual%20report%202020-21.pdf</a>

### 2.7 - Student Satisfaction Survey

#### 2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution

may design its own questionnaire). Results and details need to be provided as a weblink

<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 stakeholders.

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	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="http://www.sistk.org/policies/R&amp;D%20Policy.pdf">http://www.sistk.org/policies/R&amp;D%20Policy.pdf</a>
Any additional information	<a href="#">View File</a>

### 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)

2.02

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

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

30

File Description	Documents
e-copies of the award letters of the teachers	<a href="#">View File</a>
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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	<a href="#">View File</a>
List of projects and grant details	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 3.2.2 - Number of teachers having research projects during the year

0

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="#">NIL</a>
List of research projects during the year	<a href="#">View File</a>

#### 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	<a href="#">View File</a>
Institutional data in Prescribed format	<a href="#">View File</a>

### 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	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="#">NIL</a>
Any additional information	<a href="#">View File</a>

### 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	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.sistk.org/iicabout.php">http://www.sistk.org/iicabout.php</a>

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

2

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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**

**A. All 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	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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

0

File Description	Documents
URL to the research page on HEI website	<a href="#">NIL</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

0.05

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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	<a href="#">View File</a>
Paste link for additional information	<a href="#">NIL</a>

### 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

10

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>

### 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

14

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.5 - Consultancy

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

3.08

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

0.45

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<a href="#">View File</a>
List of training programmes, teachers and staff trained for undertaking consultancy	<a href="#">View File</a>
List of facilities and staff available for undertaking consultancy	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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	<a href="#">View File</a>
Paste link for additional information	<a href="#">NIL</a>

### 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

2

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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)

7

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

1210

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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

3

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 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)

12

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

### INFRASTRUCTURE AND LEARNING RESOURCES

## 4.1 - Physical Facilities

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

### Response:

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, laboratories, seminar halls, and world class auditorium. The entire campus is covered and monitored by CCTV cameras for safety and security reasons. 41 Classrooms equipped with ICT facilities, Tutorial Rooms, 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 computing facility, all computer laboratories are fully equipped with the latest high configured 920 Systems and required software's with internet capacity of 300 Mbps is available.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.sistk.org/downloads/2021amenity.pdf">http://www.sistk.org/downloads/2021amenity.pdf</a>

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



#### 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 40000-seat open-air auditorium at the Institute, which facilitates the conductance of cultural functions.
- The Institute celebrates Fresher's Day, annual day, Associations etc.

#### 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.
- College teams are formed to compete in State and University-level contests, as well as other intercollege events.
- Outdoor games like Ball badminton, Shuttle,Cricket etc. and Indoor games like Chess, Carrom boards are available.

#### 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.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.sistk.org/downloads/2021amenity.pdf">http://www.sistk.org/downloads/2021amenity.pdf</a>

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

46

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

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

111.24

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 4.2 - Library as a Learning Resource

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

College has a spacious Central Library with 790 sq.m and can accommodate 200 users. It is automated with version 3.1.1 New Gen Lib, an Intergated Library Management System. We have version 1.1 of the IMPRES ERP(Dolphin Software Solution), 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.

#### Journal:

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

- Reading Room
- Digital Library with 20 systems
- Project discussion Room
- Binding room with reprographic facility

Our Library has IEEE, JGATE, Taylor & Francis, NLIST, NDLI CLUB, EBSCO, NPTEL and DELNET subscriptions.

The Library subscribes to full-text e-resources providing access to e-journals and e-books, etc. Our Library offers NPTEL video content and web courses to the students and faculty members to update their Subject Knowledge and learn beyond the syllabus.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.sistk.org/library.php">http://www.sistk.org/library.php</a>

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

**4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)****14.70**

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

**4.2.4 - 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****135**

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**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. 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. Wi-Fi access points are placed in various places.

## 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. All the domains rely on secure communication protocols for information exchange. The domain of the college possess data security features such as Software Security, SSL Support, Regular Backups, DDoS Attack Monitoring, Malware Scanning, Firewall Protection, etc. The college intranet is secured with dedicated firewall protection sourced from LIMRAS ERONET who is a leading enterprise security solutions provider.

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	<a href="#">View File</a>
Paste link for additional information	<a href="#">NIL</a>

### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
1457	920

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

<b>4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus</b>	<b>A. 750 Mbps</b>
---	--------------------

File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

<b>4.3.4 - Institution has facilities for e-content</b>	<b>A. All four of the above</b>
---	---------------------------------

**development: 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	<a href="#">View File</a>
Paste link for additional information	<a href="#">NIL</a>
List of facilities for e-content development (Data Template)	<a href="#">View File</a>

#### 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)**

**122.09**

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

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. At the end of each year, the lab in-charge will check the working condition of all laboratory equipment's for regular maintenance.

##### 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 user's feedback. The library committee will perform the audit of the books before the commencement of every academic year.

#### 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 are cleaned and maintained hygienically. A housekeeping supervisor with his team ensures that the cleaning job is carried out regularly.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.sistk.org/downloads/2021amenity.pdf">http://www.sistk.org/downloads/2021amenity.pdf</a>

### 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

1039

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

34

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

**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	<a href="http://www.sistk.org/placements.php">http://www.sistk.org/placements.php</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

295



File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The institution 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	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## **5.2 - Student Progression**

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

**202**

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### **5.2.2 - Number of outgoing students progressing to higher education**

18

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

### 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

14

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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

0

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

#### 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 Indian Society for Technical Education (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 Institutional Academic & Administrative Groups. 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	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.sistk.org/cmt.php">http://www.sistk.org/cmt.php</a>

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

3

File Description	Documents
Report of the event	<a href="#">View File</a>
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 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 "Siddartha Institute of Science and Technology alumini association" is registred in 2021 under societies registration act 2001(No. 242 of 2021). Total 1543 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 experiences 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 alumni 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 5,98,000 has been donated to the college by the alumni association.

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

#### 5.4.2 - Alumni's financial contribution during the year

C. 5 Lakhs - 10 Lakhs

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

### GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 - Institutional Vision and Leadership

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

As part of its vision and mission, the college strives to serve students better. College governance reflects the college's mission and vision to reach the goal of the students to serve better in society.

Reflections of the governance of the Institution:

Under the administration of Chairman, the Principal, deans and

various administration and academic committees work together along with faculty to establish different committees to plan and implement various academic, student administration and related policies. Establishment of uniform exposure of faculty members for academic and professional development duties, the institution has various committees and cells where all the internal and external stakeholders are involved in decision making.

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 its responsibility for plans and activities, and successfully carry out these responsibilities in every academic session. The curriculum development takes place according to the guidelines of AICTE, local needs and APSCHE. Principal continuously monitors towards academic welfare, staff involvement and student participation in all skill oriented and academic activities. The financial requirements according to the needs proposed by the various departments are approved by the finance committee.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="http://www.sistk.org/governing_body.php">http://www.sistk.org/governing_body.php</a>

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

The Institution practices decentralization and participative management:

- The Institution has well defined organizational structure for effective implementation of academics and administrative procedures. The structure is supported by deans, Heads of coordinators of various committees and cells. The heads of the Departments are responsible for academic progress of the department starting from subject allocation based on experience and expertise of the faculty. The department academic committee takes the responsibility of checking the quality of the lesson plans, course information sheets, subject PPTs and video

lectures and material of the subject prepared by the faculty of the department.

- Department board of studies and college Academic council takes responsibilities of preparation of syllabi and regulations as per the current industrial needs based on the feedback of various stake holders' students, faculty, parents, employers and Alumni.
- The effective execution of the various institutional policies and regular activities will be regularly monitored and revised with the help of the deans of academics, alumni relations, industrial relations & placements, research innovation & consultancy, and student affairs.
- All the committees and cells like IQAC, College Academic committee, Planning and evaluation committee, Training and placement cell, NSS etc. involve stake holders for their valuable input and feedbacks for effective implementation of institutional procedures and practices.

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

## 6.2 - Strategy Development and Deployment

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

- The institute has outlined its strategic plan, which is presented to all institute stakeholders and includes attainable targets and clear execution methods for the next 5 years.
- Plan to introduce new UG programmes pertaining to Computer Science and Engineering allied courses to attain the various industrial needs and trends in future.
- To develop innovation, creativity, and research culture among the students to think and grow up for the betterment of self and the Institution.
- Focus on the excellence of infrastructure, for a good

working ambience and principled work culture.

- Extend high-quality research from faculty members of the Institution to improve quality of education.
- Plan and establish skill Development centres for the benefit of students.
- Improve the admissions in various branches with outreach activities.
- Takes the initiatives of Industry Academia Partnership (IAP), and Institution Innovative Council (IIC) where the institute continuously interacting with industry to develop the collaborative work through MOU's.
- Monitoring the department's activities like, Expert lectures, field visits, internships and industrial visits for the student's.
- Enhance the training and placement activities with collaboration of training institutes. To enhance the employability skills, soft skills and aptitude.
- Conducting technical Programs department wise to enrich their knowledge.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.sistk.org/organization_chart.php">http://www.sistk.org/organization_chart.php</a>
Upload any additional information	<a href="#">View File</a>

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 organization is well structured to operate effectively and efficiently while carrying out the hierarchically assigned tasks. Institute Headed by chairman, governing body, followed by vice-chairman/secretary frames the rules and guidelines for the academic and administration procedures and policies. The procedures are implemented and monitored by the heads of the institution - Principal, IQAC, academic council and finance committee. Further the functioning of the structure is supported by head of the departments, Deans and director administration. All the members responsibilities and duties are well defined. Each department is having Board of studies to prepare the curriculum and the implementation of department activities are monitored by department academic

committee. All the teaching and non-teaching members are involved in the activities of the department. Deans will take active part in the functioning of various committees cells and clubs which helps in conducting activities to promote technical, non-technical skills of the student. The "Service Rules and Regulations" of the Siddartha Institute of Science and Technology are clearly disseminated to all the stakeholders. The institution ensures a conducive work environment for the faculty and staff by providing the best facilities and salaries as per the UGC guidelines for updating knowledge and improving their qualifications. Students benefit from increased industry-institution interaction, MOUs, expert lecturers, entrepreneurship, research, and consultancy. Systematic growth of the institute in accordance with rules and regulations.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="http://www.sistk.org/organization_chart.php">http://www.sistk.org/organization_chart.php</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="http://sistk.org/mt-content/uploads/2020/01/service-rules.pdf">http://sistk.org/mt-content/uploads/2020/01/service-rules.pdf</a>

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

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



avenues for their career development/ progression

The Institution has effective welfare measures for teaching and nonteaching staff. Institution will take at most care in career development of the staff by organizing different programs and support.

Teaching staff and non-teaching staff

- Staffs are being recruited in accordance with the AICTE norms and procedures, as well as the Sixth Pay Commission.
- Training programs and Faculty Development programmes are being conducted on the campus to enhance technical knowledge of the faculty.
- They are been encouraged to carry out the research works by establishing sufficient research facilities.
- Membership Fee is provided to enroll membership in various professional bodies like IETE, ISTE, IE etc.
- Seed money is provided for research projects.
- Registration Fee, TA and On Duty are provided for taking part in International and National Conferences
- 12 Days of On Duty ( 6 Days per Semester) for professional development 3 Years of Study leave for higher education
- 3 Days of Marriage Leave 180 Days of Maternity Leave /Medical Leave
- Staffs are encouraged with duty leave to continue their research at any time during their service and can be rejoined for duty after research completion.
- Group insurance support is provided by the institution for the benefit of staff.
- Pay scales according to the A.P. Govt. scale norms are being followed for non-teaching and supporting staff.
- For regularization of services, the declaration of incentives, increments, and appraisal performance system are clearly defined and followed as per the service rules of the institute.
- 50% Transportation and hostel concession for College

**staff.**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://sistk.org/mt-content/uploads/2020/01/service-rules.pdf">http://sistk.org/mt-content/uploads/2020/01/service-rules.pdf</a>

**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**

**32**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

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

**9**

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**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.)**

**333**

File Description	Documents
Summary of the IQAC report	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 6.4 - Financial Management and Resource Mobilization

### 6.4.1 - Institution conducts internal and external financial audits regularly

The Institute successfully carries out internal and external audits regularly. The smooth conduction of the audit of the institute functions well in the institution. The audit system reviews the processes of admission, HR & Payroll, procurement, and fixed asset management & financial accounting by the internal auditors as well as the statutory auditors regularly. It estimates the budget relating to income from fees and other sources. It analyses the annual estimation of both recurring and non-recurring expenditure such as salaries of teaching, non-teaching, supporting and other staff, purchases of equipment, general maintenance, etc., and obtains approval from the Governing Body. The institution is responsible for the formulation of procedures and guidelines for various financial transactions pertaining to the institution. It comprises the verification of records, receipts and payments, income and expenditure, quarterly budget control statements, statements related to cash and funds flow, and the preparation of the balance sheet. Purchase procedures are being authorized by the principal and the governing body. All observations and objections of the audit committee are communicated through their report. These objections are examined by separate committees of the institute consisting of the accounts officer, internal auditor, concerned head of the department, and any other member nominated by the director. A Draft report is submitted to the head of the institute (if necessary) for finalizing the compliance report of the institute.

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

#### 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	<a href="#">View File</a>
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

Yes, the Institution has a proper strategy for mobilization of funds and it has been utilized for the development of Institution. The Finance Committee is constituted as per the guidelines of UGC to monitor the financial issues regarding proper allotment and optimal utilization of the funds by the departments. All the financial matters are audited periodically by internal and external.

The primary source of revenue is the tuition, hostel and bus fee collected from students. The fee is fixed as per the guidelines of the AP State fee regulatory authority. The fixed deposits are used for the expenditure of the college. The interest earned on these fixed deposits is also utilized for the needs of the institution.

The Institute takes support from national funding agencies like AICTE, NAAC, CSIR etc. for organizing the workshops and seminar programs. Institute faculty applies for research grants to ISRO, DST etc. to execute funded projects. The Institution also supported by government in establishing the advanced labs. Through industry academia program (IAP) the industries coming forward to support the institution in terms of industry labs establishment, technical support in providing trainings and

sponsor equipment to the existing labs. The institution is also taking support from the private organization in establishing the facilities and conducting Workshops, Seminars and Conferences for the development of the Institution. Allocating funds for the purchase of accessories, maintenance of the campus and allocating the budget to increase the Institution's quality is done strategically.

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

## 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)

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals. IQAC plays major role by involving in the following broad categories.

1. Improvement in quality of teaching and research by regular inputs to all concerned based on feedback from students.
2. Providing inputs for best practices in administration for efficient resource utilization and better services to students and staff.
3. Providing inputs for Academic and Administrative Audit and analysis of results for improvement in areas found weak.

The Institute IQAC prepares, evaluates and gives recommendations for 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, New Programmes as per National Missions and Govt. Policies for approval by the

Institute statutory authorities. It also involves in Rubrics preparation, verification of Question papers, answer scripts and course materials in the process of quality enhancement.

The Institute IQAC planned, organized and executed the necessary steps that included the preparation of quality manuals and materials. The IQAC led efforts to the successful implementation of modern technology in the Institute's administrative functioning through ICT.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.sistk.org/IOAC%20MOM/IOAC%20MINUTES%202020-21.pdf">http://www.sistk.org/IOAC%20MOM/IOAC%20MINUTES%202020-21.pdf</a>

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 continuously reviews and takes steps to improve the quality of the teaching-learning process. The Academic Calendar is prepared in advance, displayed and circulated in the Institute. The teaching learning process structure is clearly defined from classroom teaching up to course and program outcomes attainment. The process is monitored by the department and feedbacks are collected at regular intervals for necessary corrections and actions. Remedial classes for weak students and mentoring of bright students to participate in additional activities by monitoring the performance factors of the students. The system of continuous evaluation, also consider the various co-curricular, extracurricular activities conducted in the departments of the Institute. Various Committee meetings are regularly conducted with students to take feedback and appropriate steps are taken to enhance the teaching-learning process. Feedback from students is also taken individually by teachers for their respective courses, directly through IQAC. Students are also free to approach the Head of the Institute for feedback and suggestions. Feedback is properly analysed and shared with the HODs and individual faculty members. The teaching-learning processes are reviewed, and improvements implemented, based on the IQAC recommendations. Faculty member are encouraged and provided with financial support to do publications, to attend conferences and awarded for good results.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.sistk.org/IQAC%20MOM/IQAC%20MINUTES%202020-21.pdf">http://www.sistk.org/IQAC%20MOM/IQAC%20MINUTES%202020-21.pdf</a>

**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	<a href="http://www.sistk.org/downloads/Annual%20report%202020-21.pdf">http://www.sistk.org/downloads/Annual%20report%202020-21.pdf</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## **INSTITUTIONAL VALUES AND BEST PRACTICES**

### **7.1 - Institutional Values and Social Responsibilities**

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

The concept recognizes that women and men have different needs and power and that these differences should be identified and addressed in a manner that rectifies the imbalances between the sexes. This may afford equivalent in terms of rights, benefits, obligations and opportunities.

To avoid gender discrimination equal opportunities is being given for both the women and men students to take part in all the activities to be conducted on all occasions like Fresher's

day, sports, technical symposia, college anniversary day etc. In recruitment process we will providing equal opportunity to both men and women. Equal opportunity is being given to the men and women students separately in appointing class representatives. A Seminar had been conducted on the theme of "Gender equity and Diversity" to create awareness among the students in promoting gender equality and discriminating either gender should be avoided.

Institute should provide a wide-ranging range of security facilities especially for girls within the college premises, through a dedicated team of female security guards and 24 hour CCTV surveillance is maintained. Faculty advisors are assigned the responsibility of mentoring and counseling of the students boys and girls both. Women Empowerment Cell is also active in the college. Separate common room facilities for both female and male students are available in the college.

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

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

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

Our Institution has good number of facilities for the management of degradable and non-degradable waste. As a part of the disposal of solid waste i.e. waste papers are handover to academy of gandhian studies Tirupati regd no:203/1976 who will recycle the paper in proper way. All other solid waste is collected by Safai workers and they segregate and discard the



waste to the dustbin provided for each floor. Dustbins are emptied and sending the containers handed over to Municipal Corporation, Puttur. All the liquid waste is disposed through proper drainage system connecting with a closed water tank and the tank is cleaned regularly. In the chemistry laboratory, organic solvents are collected in a special container, chemically compatible, securely fitted with a tight-fitting lid and labeled as hazardous waste and safety aspects before utilizing them. Corrosive liquids are appropriately diluted to a pH between 5.5 and 10.5 before they can be given to sinking pits.

E-waste collected from Electronic, computer and other departments like floppy discs and memory sticks generates as do chips, motherboards, discs, cartridges, and printers. All the equipments are regularly serviced and some equipment replaced by buying a new machine. The buyback option is taken for technology up gradation. The e-waste generated from hardware that cannot be reused or recycled is disposed to vendors.

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

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

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include**

<p><b>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</b></p> <ol style="list-style-type: none"> <li><b>1. Restricted entry of automobiles</b></li> <li><b>2. Use of bicycles/ Battery-powered vehicles</b></li> <li><b>3. Pedestrian-friendly pathways</b></li> <li><b>4. Ban on use of plastic</b></li> <li><b>5. Landscaping</b></li> </ol>	<p><b>A. Any 4 or All of the above</b></p>
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File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>

<p><b>7.1.6 - Quality audits on environment and energy undertaken by the institution</b></p>	
<p><b>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</b></p> <ol style="list-style-type: none"> <li><b>1. Green audit</b></li> <li><b>2. Energy audit</b></li> <li><b>3. Environment audit</b></li> <li><b>4. Clean and green campus recognitions/awards</b></li> <li><b>5. Beyond the campus environmental promotional activities</b></li> </ol>	<p><b>A. Any 4 or all of the above</b></p>

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

<p><b>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.</b></p>	<p>A. Any 4 or all of the above</p>
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File Description	Documents
Geotagged photographs / videos of facilities	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	<a href="#">View File</a>
Details of the software procured for providing assistance	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, 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 traditional day, different regional festivals in

addition to the national festivals specifically Independence Day and Republic 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)	<a href="#">View File</a>

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

To inculcate Human values, Constitutional values, fundamental rights and duties and responsibilities of students various educational and other activities being organized, by introducing the courses like Universal Human values , professional ethics, Essence of Indian traditional knowledge and Indian constitution.To develop the sustainable strategies we introduced a course Environmental studies.

NSS activities are being conducted in the college to give opportunity to the students to take part in societal development activities like blood donation camps, health awareness camps tree planting etc. Anti raging cell, Gender champion ship cell, women empowerment cell, discipline committee etc, are established which plays vital role for the sake of students welfare.

In order to makes the students confident, development of leadership skills and to gain knowledge about different people from the different walks of life.The aforesaid institution has been celebrating Independence Day, Republic Day, Constitutional Day, Voters Day, Swatch Bharat , Cleanliness Drive every year

regularly to bring awareness and enlightening the students regarding the significance of the important days.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**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	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

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. 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 2020-21. 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	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 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

### Best practices:

Our Institution focuses on advanced teaching learning process to enable the students and faculties to get through technological advancements for academic process. Using ICT tools in academics not only goes updating with the technology but also using it according to the stream such that the employees of the institution and students are technically equipped. The Institution particularly gives attention to go with the flow of technological advancements and requirements. Even though remote learning was essential due to the pandemic situation, our institution has a special role in that it should reach even students from urban areas to ensure quality instruction. For instance, when they are unable to connect over online platform due to network issues the related videos to the concept will be sent for preparation. Further, students who missed the class will be monitored and contacted for attending regularly. Overall, ICT is used by this institution to reach the students throughout their learning process.

File Description	Documents
Best practices in the Institutional website	<a href="http://sistk.org/downloads/BestPractice2020-21.pdf">http://sistk.org/downloads/BestPractice2020-21.pdf</a>
Any other relevant information	<a href="#">NIL</a>

### 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 necessary steps were taken for effective online teaching to the students. In this context the required PPTs were prepared adopting, using latest techniques like animation, images and graphics pertaining to the subjects concerned for the absolute attention and interest of the students. The needed video lessons for theory and laboratory were prepared by the faculty of the subjects concerned and they are made available in the web links, enabling the students to view and review whenever they need.

Prepared material related to each and every subject which were uploaded in the college website before commencement of class work. We motivate the students registration through NPTEL, NDLI, SWAYAM etc for their self learning abilities are enhanced to grow independent learning. The online teaching was very successfully carried out and the aforesaid institution was able to save the academic year 2020 and the students were very happy, satisfied, well prepared, and passed their exam well. It was learned that the abrupt conversion of conventional face-to-face instruction to the online mode.

File Description	Documents
Appropriate link in the institutional website	<a href="#">NIL</a>
Any other relevant information	<a href="#">View File</a>

7.3.2 - Plan of action for the next academic year

In view of the overall development of the institution a plan of action for the upcoming year is prepared to be implemented

To enhance employability for students it is resolved to

strengthen T&P cell by appointing the top-notch trainers. The students will be trained and imported the needed communication, soft skills and technical skills besides developing aptitude to face the interview and placed in the multinational companies. The institution's plan is to equip the students with relevant and conceptualised professional skills right from the very first year and guiding them towards a bright future and career through the programs from Q-spiders, Hackthan and thus making them well informed contemporary, industrial, advanced technology and global trends.

Innovation cell which was setup will be strengthened in the upcoming year in order to promote more innovative work to create versatile engineers. Improvement measures will be taken to conduct awareness programs and workshops.

Special effort shall be given to strengthen the Alumni association through registered alumni. The mission of Association is to strengthen strong ties between alumni students and the institute, to inform alumni and build a network that allows them to stay involved in their alma matter and its future through programs like alumni meet, interaction programs, talk to alumni (every week) for the benefit of the latest students.