



YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1. Name of the Institution

SIDDARTHA INSTITUTE OF SCIENCE
AND TECHNOLOGY

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

2. Institutional status

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

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

3.Website address (Web link of the AQAR (Previous Academic Year)) <http://www.sistk.org/AQAR/2021-22%20AQAR.pdf>

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

- if yes, whether it is uploaded in the Institutional website Web link: http://www.sistk.org/exam_cell_calenders.php

5.Accreditation Details

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

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

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

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Institution	UGC 2f	UGC	15/05/2015	0
Institution	UGC 12(B)	UGC	04/12/2017	0

8.Provide details regarding the composition of the IQAC:

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

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

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report No File Uploaded

10.Did IQAC receive funding from any funding agency to support its activities during the year? **No**

- If yes, mention the amount

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

- Collection, analysis of Feedback from all stakeholders and action taken for continuous improvement.
- Facilitating faculty through UHV Course & students through events related to ethics.
- All the staff is encouraged to attend seminars, workshops, conferences etc. So faculty attended state level, national level workshops, conferences and seminars during this academic year.
- IQAC ensures that the academic plan is implemented as per schedule.
- Skill development training programmes for the students.

12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:

Plan of Action	Achievements/Outcomes
To increase the number of ICT enabled smart classrooms available to students in all the departments	Achieved
Encouraging Research paper publication in reputed journals	Provision of incentives for the faculty for publishing the research papers in reputed journals which are indexed by SCOPUS, Web of Science, SCI etc yielded results. There is a significant increase in the number of quality publications.
Skill development training to the students	MoUs are made with the industries like POWER INTEGRATED SOLUTIONS, Excelrso as to train the students on emerging technologies and the students are trained.

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

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Academic Council	12/01/2024

14. Was the institutional data submitted to AISHE ? **No**

- Year

Part A

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• City/Town	Puttur
• State/UT	Andhra Pradesh
• Pin Code	517583
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• Autonomous Status (Provide the date of conferment of Autonomy)	28/05/2018
• Type of Institution	Co-education
• Location	Rural
• Financial Status	Self-financing

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• Mobile No:	9985908752				
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4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	http://www.sistk.org/exam_cell_calenders.php				
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6.Date of Establishment of IQAC			13/07/2015		
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<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
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Name of the statutory body	Date of meeting(s)
Academic Council	12/01/2024
14.Was the institutional data submitted to AISHE ?	No
<ul style="list-style-type: none"> Year 	
Year	Date of Submission
2022-2023	06/03/2024
15.Multidisciplinary / interdisciplinary	
Siddartha Institute of Science and Technology has implemented multidisciplinary learning in its academic programs through a	

choice-based credit system. General courses offer a wide range of electives, and students from every department are required to choose at least 12 credits from other departments. Such elective programs help in the development of additional skills and values in the learning process. Apart from that, students in each program choose at least one course from the SWAYAM platform.

16.Academic bank of credits (ABC):

Siddhartha Institute of Science and Technology is taking steps to deposit student-earned credits in the academic bank credit scheme (ABC) for all programs offered in order to promote student-centricity in higher education across the country through learner-friendly practices and a more interdisciplinary approach to higher education. The Institute has registered under the Academic Bank of Credit scheme, and digitization in this area is progressing rapidly. During the year several numbers of certificates and mark sheets have been digitized. For this objective, a committee has been formed.

17.Skill development:

The institute offers skill development, entrepreneurship development, and career counseling. According to AICTE and APSCHE requirements, the institute added skill-based credit courses alongside regular courses in the curriculum. In addition to this, the institute provides skill development programs through APSSDC and Q Spiders. Internships, on-the-job training, hands-on experience, and industry visits are essential for students in several areas to gain professional skills required for employment. Students must complete a minimum of six weeks of summer internships at the end of the second and third years of the Program. There is also a 4-week must full-time internship in the Program's final year. All of these approaches have resulted in an increase in the percentage of placements and packages. Siddhartha Institute of Science and Technology's skill development activities are under the following categories:

- Academic programs with skill-based courses
- Training imparted through the Placement Cell
- As part of their project work, students acquire research and publication skills.

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

In order to impart the knowledge or procedures transferred down from generation to generation that are a part of the traditions

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

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

Outcome Based Education has been adopted in all academic programs at Siddartha Institute of Science and Technology. For each program, specific Graduate Attributes, Programme Outcomes, and Course Outcomes have been identified and are well incorporated within the curriculum development. The faculty has received substantial training in curriculum design in accordance with the Outcome Based Taxonomy. At the departmental level, outcomes are assessed and corrective measures are implemented as needed.

20.Distance education/online education:

Online or distance education are not offered at our institution.

Extended Profile

1.Programme

1.1 11

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 2096

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 308

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3

2081

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

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1

245

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2

174

Number of full-time teachers during the year:

Extended Profile	
1.Programme	
1.1 Number of programmes offered during the year:	11
File Description	Documents
Institutional Data in Prescribed Format	View File
2.Student	
2.1 Total number of students during the year:	2096
File Description	Documents
Institutional data in Prescribed format	View File
2.2 Number of outgoing / final year students during the year:	308
File Description	Documents
Institutional Data in Prescribed Format	View File
2.3 Number of students who appeared for the examinations conducted by the institution during the year:	2081
File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1 Number of courses in all programmes during the year:	245
File Description	Documents
Institutional Data in Prescribed Format	View File
3.2	174

Number of full-time teachers during the year:		
File Description	Documents	
Institutional Data in Prescribed Format	View File	
3.3	174	
Number of sanctioned posts for the year:		
4.Institution		
4.1	406	
Number of seats earmarked for reserved categories as per GOI/State Government during the year:		
4.2	59	
Total number of Classrooms and Seminar halls		
4.3	925	
Total number of computers on campus for academic purposes		
4.4	76261500	
Total expenditure, excluding salary, during the year (INR in Lakhs):		

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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

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

Development of curriculum in accordance with Institution and Department's vision & Mission, PEOs and PSOs of the departments.

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

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

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

5

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

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

222

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

1.2 - Academic Flexibility

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

137

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

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

11

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

1.3 - Curriculum Enrichment

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

Institution integrates cross-cutting issues relevant to

Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum.

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

Human Values and Professional Ethics

The majority of faculty attended the Universal Human Values (UHV) workshop conducted by AICTE and obtained successful completion certificates. NSS committee of the college is very active in conducting various social welfare activities. Blood donation camps, planting trees, financial linguistic programs for rural people etc., are some of the notable activities conducted through the NSS committee.

Gender Sensitivity

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

Environment and Sustainability

An audit course "Environmental Science" is included in all UG programmes. Industry visits and field trips 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	View File
Any additional information	No File Uploaded

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

14

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

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

1649

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

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

309

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

1.4 - Feedback System

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

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://docs.google.com/forms/d/e/1FAIpQLSeo06TvHzJjTnpT1NT2EQH91i4Y40oT5sBUl91nuD-orJRwvA/viewform
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

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	https://www.sistk.org/
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

714

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

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

406

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

2.2 - Catering to Student Diversity

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

Every year, the institute organizes a bridge course to address knowledge gaps in basic engineering and technology concepts for undergraduate-level students. An entry-level assessment test is conducted to analyse students' knowledge on basic engineering and mathematics.

Based on academic performance in MID and university end examinations, students are categorized as slow learners and advanced learners. Those students securing 60% and above are identified as advanced learners, while the remaining students categorized as the slow learners.

The Advanced and Slow Learners system functions as follows:

For Advanced Learners:

- Motivating students to participate in technical and non-technical events within and outside the institute to stay updated with recent trends in core engineering and technology.
- Assigning challenging tasks to improve problem-solving skills using different methodologies.
- Providing opportunities for different office-bearing roles in department association activities to enhance their interpersonal and team leadership capacities.
- Motivating and guiding towards improving CGPA scores and make participation in competitive examinations like GATE.

For Slow Learners:

- Guiding them to take remedial classes for improved academic performance with additional care.

- Regular monitoring by counsellors in all academic activities and motivation in various aspects.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
29/05/2023	2096	174

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

To enhance students' learning experiences, our institution employs student-centric methods. We have created a conducive student-centric learning environment by incorporating and maintaining essential facilities. Different effective teaching and learning methods like participative learning, experimental learning, and problem-solving methodologies, contribute to the establishment of an engaging learning atmosphere.

In participative learning, we organize seminars, webinars, guest lectures, hands-on workshops, and training programs with academicians and industry experts. These events aim to bridge the knowledge and trend gaps between academics and industry, boosting students' confidence in their talents and skills. Additionally, department association activities host technical events each academic year, providing students with opportunities to showcase their abilities. We also encourage participation in online courses (NPTEL) to enhance technical skill sets.

For experimental learning, students are urged to gain industry-ready experiences through internships, mini-projects, industrial

training, and field trips to prominent industries like SHAR, NARL, and BSNL. This hands-on experience allows students to connect theoretical knowledge with practical industrial needs.

In problem-solving methodologies, students are motivated to apply their engineering knowledge to real-life issues through case studies, hackathons, and industrial projects. Tutorial classes for analytical courses incorporate various pedagogical tools, such as collaborative learning methods and group tutorials, to shape students' problem-solving skills.

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

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

Utilizing ICT facilities is a crucial tool for enhancing students' understanding of complex concepts, improving engineering reflections, communication skills, and problem-solving abilities. Faculty members undergo hands-on training to adapt to ICT technologies and their effective use. The institution organizes various faculty development programs and encourages participation in events hosted by reputable institutions.

To keep up with ICT technologies, the institute offers facilities like a modernized recording studio, 300 Mbps high-speed internet access, and pen tablets for effective teaching and learning. All courses incorporate ICT tools to complement traditional classroom instructions.

Virtual labs and simulation tools are employed to demonstrate and better grasp complex engineering concepts. Students receive PowerPoint presentations, links to recorded video sessions, and online video links for quick references. All the classrooms and seminar halls are equipped with LCD projectors and internet facilities to support ICT technologies.

In addition to this, faculty members and students are members of the National Digital Library of India (NDLI) provided by the

National Mission on Education Through Information and Communication Technology (NMEICT).

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.sistk.org/infrastructure.php
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

159

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

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

The academic calendar outlines the classwork commencement, MID and end semester examinations, semester breaks, and the start of the next semester, and is collaboratively prepared through discussions with department heads and the examination cell. This calendar serves as a blueprint for planning all the department activities. After approval by the academic committee, it is disseminated to departments, faculty, and students through the institution's website.

Faculty prepare their lesson plans and course information sheets with the academic calendar, subject to scrutiny by the department academic committee. They also prepare course materials, including PPTs, lecture notes, and other relevant materials for each assigned course. Before class commencement, class timetables and individual faculty timetables are prepared and distributed to the concerned, after approval from the head of the institution.

The course file encompasses key contents, such as vision and

mission statements for both the institution and department, relevant syllabus copies, course information sheets with CO-PO mapping, unit-wise detailed lecture plans (lesson plans), handwritten lecture notes, question banks, bit banks, previous end and MID examination papers, soft versions of PPTs, video lectures, and assignment/tutorial questions.

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

2.4 - Teacher Profile and Quality

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

174

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

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

34

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

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

804

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

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

15

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

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

46

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	No File Uploaded

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

The institute's examination cell ensures the orderly and reliable conduct of both MID and End Examinations, along with the evaluation process for students, maintaining strict adherence to procedures. All assessment and evaluation activities are carried out meticulously.

To keep stakeholders informed, the institute's website hosts academic calendars, rules, academic regulations, and the course

structure and syllabus for each course before the start of every academic year.

The institution employs two assessment processes for each course: continuous internal evaluation and end-semester examination. For the latter, two sets of question papers are prepared by faculty members from another institution who are holding doctoral degrees, incorporating BLOOMS Taxonomy levels appropriately. The evaluation scheme for the question papers is prepared in a clear and detailed manner, including sub divisional marks.

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

2.6 - Student Performance and Learning Outcomes

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

For each course, Course Outcomes (COs) are developed based on BLOOM's taxonomy, while Programme Specific Outcomes (PSOs) are crafted for all programs and shared with stakeholders. The department formulates Program Educational Objectives (PEOs), PSOs, and COs, gathering inputs from various stakeholders. These PSOs undergo review by the Department Academic Committee, and the finalized versions are approved by the Board of Studies (BoS) and Academic Council.

Guidelines for CO formation include defining six COs with incorporated BLOOM's taxonomy levels and verbs. COs should be defined for the entire course, not unit-wise, using single or multiple action verbs. Questions prepared must be mapped with the COs, ensuring clarity and achievability.

The mechanism for publishing and disseminating the Institute/department's Vision, Mission, COs, POs, PEOs, and PSOs involves several methods:

1. Display at prominent places in the department.

2. Inclusion in brochures and department catalogues.
3. Distribution through syllabus copies.
4. Documentation in laboratory records.
5. Inclusion in department magazines and newsletters.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	https://www.sistk.org/departments/ece/syllabus.php

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

Each course is assigned six Course Outcomes (COs) using BLOOM's Taxonomy, and their achievement is assessed through tests and end-semester examinations. Continuous Internal Examination (CIE) results are obtained from MID-I and MID-II exams, along with two assignments and the end-semester exams, which contribute to the overall evaluation. The internal exam carries a 40% weightage, while the end-semester exam carries 60%.

The steps for measuring course outcomes include setting targets for COs, framing questions at appropriate Bloom's Taxonomy levels, specifying COs and Bloom's Taxonomy levels for each question, posting marks for each assessment, and calculating CO attainment for each student and course.

Program Outcome (PO) / Programme Specific Outcome (PSO) attainment is calculated through both Direct and Indirect attainment of COs, with 80% and 20% weightage, respectively. Direct attainment involves calculating the CIE using MID exam marks, including descriptive (20 marks) and objective (10 marks) components, assignments, and end-semester exam marks. Indirect attainment, contributing 20%, is based on course-end surveys obtained for individual subjects at the end of each semester.

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

2.6.3 - Pass Percentage of students

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

289

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	http://siddharthgroup.ac.in/sistkresultpage.html

2.7 - Student Satisfaction Survey

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

<https://www.sistk.org/mt-content/sss/SSS2022-23.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	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.sistk.org/policies/R&D%20Policy.pdf
Any additional information	View File

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

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

2.20

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

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

64

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

3.2 - Resource Mobilization for Research

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

0

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

3.2.2 - Number of teachers having research projects during the year

0

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

3.2.3 - Number of teachers recognised as research guides

1

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

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

0

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

3.3 - Innovation Ecosystem

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

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

Documentation, Publication of Research Papers and also for obtaining patents. The Institution provides technology awareness meets, workshops, seminars and guest lectures on Entrepreneurship to students and faculty. Students are provided opportunities to directly interact with outstanding entrepreneurs excelling in their field. Product service Training is provided for creating awareness on marketing the products. The sole objective of the Innovation Centre is to facilitate students to convert their Ideas into Technological Innovations. Students are provided facilities to build prototypes useful for promotion of Agriculture and Rural Development. Financial Assistance is provided for major and minor Research Projects.

Workshops on emerging trends in Technology are organized periodically. Model Expos are held and Students are awarded cash prizes for best models. Students are encouraged to gain hands on experience and better Industrial Exposure. The College has recognized Research Centres in the departments and this would be an added advantage to the students to develop their Prototypes.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.sistk.org/departments/ece/policies/innovation.pdf

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

3

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

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory

A. All of the above

Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

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

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

3.4.2.1 - Number of PhD students registered during the year

0

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

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

39

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

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

during the year**4**

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

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed**3.4.5.1 - Total number of Citations in Scopus during the year****16**

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

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University**3.4.6.1 - h-index of Scopus during the year****2**

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

3.5 - Consultancy**3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)****2.5224**

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

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

0.7 Lakh

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

3.6 - Extension Activities

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

The College was allotted a National Service Scheme (NSS) Unit by JNT University Anantapuramu. About 500 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.

The NSS unit concentrates on the welfare of the neighbourhood community and sensitizes their social problems and takes

necessary steps for the betterment of the society. These social outreach programmes brought a great impact on the holistic development of the students as they come across different categories of the people and their living standards.

Every year during Independence Day and Republic day, NSS students coordinate with the other clubs of the institute to demonstrate on current social problems through parades, rallies. Career guidance and Goal setting program was carried out at Zilla Parishath High school. Students gained knowledge of various job opportunities.

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

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

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

2

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

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

36

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

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

4423

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

3.7 - Collaboration

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

7

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

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

14

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

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, seminar halls, and a cutting-edge auditorium. The entire campus is covered and monitored by CCTV cameras for safety and security reasons. 41 Classrooms equipped with ICT facilities, 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 students to improve their English speaking and writing skills, the institute includes a complete language lab with up-to-date learning resources. All computer laboratories are fully equipped with the latest high configured 920 Systems and required software's. A high-speed internet connection with a capacity of 300 Mbps is available. The Institute has domain-centric laboratories as per the norms of AICTE and regulations of JNTUA, Ananthapuramu.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sistk.org/downloads/ictfacility22-2023.pdf

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

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

Cultural Activities:

- The Institute has a centralized air-conditioned auditorium in an area of 4700 Sq. m with a seating capacity of 4000.
- There is a 20000-seat open-air auditorium at the Institute, which facilitates the conductance of cultural functions.

Yoga:

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

Sports & Games:

- A total of 7 acres area is allocated for outdoor sports purpose and is capable of hosting national- level sport competitions.
- The Institute has a well-established Physical Education department with a well-experienced and qualified Physical Director to teach students and encourages them to participate in State/ University - sponsored sports activities.
- College teams are formed to compete in State and University-level contests, as well as other intercollege events.
- 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	View File
Upload any additional information	View File
Paste link for additional information	http://www.sistk.org/sistk_gallery.php

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

41

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

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

243.60

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

4.2 - Library as a Learning Resource

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

Siddhartha Institute of Science and Technology has a spacious Central Library with 790 sq.m and can accommodate 252 users. It is automated with version 3.2 New Gen Lib, an Intergated Library Management System. The Library has a good collection of 27779

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.

Description of library :

Name of the ILMS software : New Gen Lib

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

Year of automation :2023

S.no

Library Facilities

Required as per AICTE

Available

Remarks

1

Library Area in sq.m.

785

790

Adequate

2

Library Book Titles

5150

6682

Adequate

3

Library Book Volumes

27100

27779

Adequate

4

Journals

90

147

(51 NJ + 96 IJ)

Adequate

5

ILMS

1

1

Adequate

6

Seating Capacity

150

200

Adequate

7

Digital Library Systems

10

30

Adequate

*NJ-National Journal, IJ-International

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

- Reading Room
- Digital Library with 30 systems
- Project discussion Room
- Binding room with reprographic facility

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

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources **A. Any 4 or more of the above**

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

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

53.93

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

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

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

330

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

4.3 - IT Infrastructure

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

Response:

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. Total of 920 computers are available to carry out academic and administrative work.

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.

Firewall

The college intranet is secured with dedicated firewall protection sourced from LIMRAS ERONET who is a leading enterprise security solutions provider.

Budget for updating IT facilities

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

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3189	920

File Description	Documents
Upload any additional information	View File

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

A. 250 Mbps

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

4.3.4 - Institution has facilities for e-content development:

A. All four of the above Facilities

**available for e-content development Media
Centre Audio-Visual Centre Lecture
Capturing System (LCS) Mixing
equipments and software for editing**

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://youtu.be/TxCGBEJHHE0
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

327.62

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

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

Response:

The institute physical, Academic, and support facilities such as laboratories, library, sports, indoor stadium, computers, and classrooms are all well-maintained. The Maintenance staffs also take charge of maintaining the restrooms, access roads, and overall campus cleanliness.

Laboratories:

Every lab is provided with safety equipment, and the students/staff are given necessary instructions to maintain safety in the laboratories.

Library facility:

The Library is led by a qualified Librarian and supporting staff. Inside the reading room, a suggestion box has been placed to collect users feedback. Students are allowed to library only on production of their authorized/valid Identity Cards.

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.

Classrooms:

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

Electrical Works and Maintenance:

The institute has an efficient in-house team of well-trained electricians and plumbers who maintain the IT and electrical services.

Transport Facility:

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

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

1614

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

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

45

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	View File

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

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

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

924

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

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

A. All of the above

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

5.2 - Student Progression

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

174

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

5.2.2 - Number of outgoing students progressing to higher education

36

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

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

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

36

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

5.3 - Student Participation and Activities

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

5

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

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

The institute encourages the students to participate and involve the leadership roles in Student Committees. There is a student association for each department in the institute that organizes various extracurricular events. From each academic year, students pick a president, secretary, and treasurer to oversee

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

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

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

8

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

5.4 - Alumni Engagement

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

Our institute have registered alumini named "Siddartha Institute of Science and Technology alumini association" is registred in 2021 under societies registration act 2001(No. 242 of 2021). Total 1998students 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 6,32,000 has been donated to the college by the alumni association.

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

5.4.2 - Alumni's financial contribution during the year

C. 5 Lakhs - 10 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

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	View File
Paste link for additional Information	https://www.sistk.org/governing_body.php

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 Academiccommittee, 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	View File
Upload any additional information	View File
Paste link for additional Information	http://www.sistk.org/organization_chart.php

6.2 - Strategy Development and Deployment

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

The Strategic/ Perspective plan has been clearly expressed effectively and executed.

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

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

The institutional 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	http://www.sistk.org/organization_chart.php
Upload any additional information	View File
Paste link for additional Information	http://sistk.org/mtcontent/uploads/2020/01/service-rules.pdf

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

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

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	View File
Paste link for additional information	https://sistk.org/mt-content/uploads/2020/01/service-rules.pdf

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

48

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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

11

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

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.)

172

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institute successfully 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	View File
Paste link for additional information	http://www.sistk.org/finance_committee.ph p

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

0

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

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

Yes, the Institution has a proper strategy for 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	View File
Paste link for additional Information	http://www.sistk.org/finance_committee.ph p

6.5 - Internal Quality Assurance System

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

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	View File
Paste link for additional information	https://www.sistk.org/downloads/IQAC%202022-23.pdf

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

The IQAC 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	View File
Paste link for additional information	https://www.sistk.org/downloads/IQAC%202022-23.pdf

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

B. Any 3 of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://www.sistk.org/downloads/Annual%20report%202121-22.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

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

It is proud to the institution that among 2096 total students,

669 are girl students which is 32% of total students. Also, among 174 staff, 58 lady faculty are working in the institution which is 33.33% of total staff. Besides these, 5 out of 9 departments are leading by lady faculty only.

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

Besides these, WEC conducts some events like Constitution day, International & National Girl Child days, Women's day, Constitution day etc. to maintain the gender equity in the campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.sistk.org/downloads/genderequity2022-23.pdf

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

A. Any 4 or All of the above

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

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

Waste Management in College

Waste management is the overall process of collection, transportation, treatment and discarding of waste products, sewage and garbage.

There are many forms of waste such as solid, gas or liquid and each has different process of disposal and management. Waste management manages different types of waste created by industries, household, commercial activities or natural waste. Large segment of waste management deals with municipal solid waste i.e. the waste created by industries, housing and commercial establishments.

The general concepts of waste management are waste hierarchy, that includes three approaches that are reduce, reuse and recycle. Second is life cycle of product that includes designing, producing, distributing followed by the 3 R's of waste hierarchy. The third concept is resource efficiency that focuses on efficient use of resources. And the fourth concept is polluter-pay principle where the polluter-party i.e. one who generates waste has to pay for the impact caused to the environment. However, waste management carried on in developing and developed countries, cities and villages varies.

Each and every department of Siddartha Institute of Science and Technology, Narayanavanam Road, Puttur, creates some waste and dumps in small waste-bins located in the department. The Bio-degradable wastes are effectively converted to fertilizer by composting inside the college campus

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge

A. Any 4 or all of the above

Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

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

7.1.5 - Green campus initiatives include

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

A. Any 4 or All of the above

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

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded

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

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

A. Any 4 or all of the above

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

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

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

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	View File

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

Response:

The institution, being a private self-financing affiliated college, has limited opportunities for students. To foster

diversity among students and faculty, the Institution creates an environment that allows people from many cultures, regions, languages, and socioeconomic backgrounds to coexist. With specific inputs from Management and the Principal, the Institution implements projects and programs within the campus to provide a pleasant atmosphere for all students and staff. The institution has worked to create an inclusive environment that promotes peace, tolerance, and harmony among students and faculty. By virtue of the admission procedure, students from all districts and cross sections of the state, with the exception of a few from other states, are admitted based on merit according to the AP State Council rules. Once a student is admitted, he or she will be supplied with equal resources for bringing harmony and nurturing for holistic growth. To guarantee the complete development of students and staff, the institution encourages them to participate in community services and build good citizenship. To promote Indian culture, the institution celebrates all national festivals, including Independence Day, Republic Day, and Engineering Day. The institution is increasingly involved in conducting the outreach programs for the welfare of the society and to create awareness among students towards social issues.

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

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

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

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

crucial role in ensuring the welfare of students.

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

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

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

A. All of the above

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

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

In the institution, we regularly observed calendar events that were significant for a variety of reasons, including social, national, international, economic, scientific, commemorative, and others. National and international holidays 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 year, 2022-23. In this context, numerous events such as essay competitions, elocution competitions, quizzes, paper presentations, poster presentations, etc. relevant to the festivities were held. Elites and well-known figures were invited to speak to the gathering. It was found that the young people's thoughts were awakened, inspired, and striving toward maintaining their studies life well.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

1. TITLE OF THE PRACTICE:

Clean and Green Practices for Sustainable Environment

2. TITLE OF THE PRACTICE:

Celebrating National and International Days

File Description	Documents
Best practices in the Institutional website	https://www.sistk.org/downloads/BestPractice2022-23.pdf
Any other relevant information	Nil

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)

One of the priorities of SISTK is to ensure inclusive education and to develop rural areas through a few initiatives that ensure inclusivity.

The faculties of the institute were given training under Digital Education Technology Enabled Teaching & Learning at Vijayawada. The faculty trained 1200 Teachers of 82 Government schools in around the institute towards the Digital Education and academic enhancement of School children using Technological gadgets. The institute resources were utilized i.e. 900 systems were used for the conducting the Central and State government competitive exams.

The faculty and students were actively involved by understanding rural realities through Unnath Bharath Abhiyan. Our Institute students visited around 30 villages and a keen observation is made on the local people living conditions and their challenges. The people were guided and trained to improve the living conditions with their self-confidence and to change their life style into the next level.

Apart from Academics, various community services and social transformation programme were conducted under NSS like tree plantation, Blood Donation camp, Health care Awareness Programme, Clean and Green Camp etc.

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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

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

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

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

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

year	
5	
File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded
1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year	
222	
File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded
1.2 - Academic Flexibility	
1.2.1 - Number of new courses introduced across all programmes offered during the year	
137	
File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

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

11

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

1.3 - Curriculum Enrichment

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

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

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

Human Values and Professional Ethics

The majority of faculty attended the Universal Human Values (UHV) workshop conducted by AICTE and obtained successful completion certificates. NSS committee of the college is very active in conducting various social welfare activities. Blood donation camps, planting trees, financial linguistic programs for rural people etc., are some of the notable activities conducted through the NSS committee.

Gender Sensitivity

There are many platforms for hands-on experiences related to gender sensitivity which enable students to interface with real life situations such as field work, community outreach, and gender sensitization activities under Gender Championship cell, where equal proportion of participation from boys and

girls is maintained. The women empowerment cell/Women Protection cell is functioning effectively to explore immense potential of girl's students in all aspects, providing a congenial environment for them.

Environment and Sustainability

An audit course "Environmental Science" is included in all UG programmes. Industry visits and field trips 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	View File
Any additional information	No File Uploaded

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

14

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

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

1649

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

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

309

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

1.4 - Feedback System

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

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://docs.google.com/forms/d/e/1FAIpQLSeo06TvHzJjTnpT1NT2EQH91i4Y40oT5sBU191nuD-orJRwvA/viewform
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

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	https://www.sistk.org/
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

714

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

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

406

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

2.2 - Catering to Student Diversity

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

Every year, the institute organizes a bridge course to address knowledge gaps in basic engineering and technology concepts for undergraduate-level students. An entry-level assessment test is conducted to analyse students' knowledge on basic engineering and mathematics.

Based on academic performance in MID and university end examinations, students are categorized as slow learners and advanced learners. Those students securing 60% and above are identified as advanced learners, while the remaining students categorized as the slow learners.

The Advanced and Slow Learners system functions as follows:

For Advanced Learners:

- Motivating students to participate in technical and non-technical events within and outside the institute to stay updated with recent trends in core engineering and technology.
- Assigning challenging tasks to improve problem-solving

skills using different methodologies.

- Providing opportunities for different office-bearing roles in department association activities to enhance their interpersonal and team leadership capacities.

- Motivating and guiding towards improving CGPA scores and make participation in competitive examinations like GATE.

For Slow Learners:

- Guiding them to take remedial classes for improved academic performance with additional care.

- Regular monitoring by counsellors in all academic activities and motivation in various aspects.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
29/05/2023	2096	174

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

To enhance students' learning experiences, our institution employs student-centric methods. We have created a conducive student-centric learning environment by incorporating and maintaining essential facilities. Different effective teaching and learning methods like participative learning, experimental learning, and problem-solving methodologies, contribute to the establishment of an engaging learning

atmosphere.

In participative learning, we organize seminars, webinars, guest lectures, hands-on workshops, and training programs with academicians and industry experts. These events aim to bridge the knowledge and trend gaps between academics and industry, boosting students' confidence in their talents and skills. Additionally, department association activities host technical events each academic year, providing students with opportunities to showcase their abilities. We also encourage participation in online courses (NPTEL) to enhance technical skill sets.

For experimental learning, students are urged to gain industry-ready experiences through internships, mini-projects, industrial training, and field trips to prominent industries like SHAR, NARL, and BSNL. This hands-on experience allows students to connect theoretical knowledge with practical industrial needs.

In problem-solving methodologies, students are motivated to apply their engineering knowledge to real-life issues through case studies, hackathons, and industrial projects. Tutorial classes for analytical courses incorporate various pedagogical tools, such as collaborative learning methods and group tutorials, to shape students' problem-solving skills.

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

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

Utilizing ICT facilities is a crucial tool for enhancing students' understanding of complex concepts, improving engineering reflections, communication skills, and problem-solving abilities. Faculty members undergo hands-on training to adapt to ICT technologies and their effective use. The institution organizes various faculty development programs and encourages participation in events hosted by reputable

institutions.

To keep up with ICT technologies, the institute offers facilities like a modernized recording studio, 300 Mbps high-speed internet access, and pen tablets for effective teaching and learning. All courses incorporate ICT tools to complement traditional classroom instructions.

Virtual labs and simulation tools are employed to demonstrate and better grasp complex engineering concepts. Students receive PowerPoint presentations, links to recorded video sessions, and online video links for quick references. All the classrooms and seminar halls are equipped with LCD projectors and internet facilities to support ICT technologies.

In addition to this, faculty members and students are members of the National Digital Library of India (NDLI) provided by the National Mission on Education Through Information and Communication Technology (NMEICT).

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.sistk.org/infrastructure.php
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

159

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

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

The academic calendar outlines the classwork commencement, MID and end semester examinations, semester breaks, and the start of the next semester, and is collaboratively prepared through discussions with department heads and the examination cell. This calendar serves as a blueprint for planning all the department activities. After approval by the academic committee, it is disseminated to departments, faculty, and students through the institution's website.

Faculty prepare their lesson plans and course information sheets with the academic calendar, subject to scrutiny by the department academic committee. They also prepare course materials, including PPTs, lecture notes, and other relevant materials for each assigned course. Before class commencement, class timetables and individual faculty timetables are prepared and distributed to the concerned, after approval from the head of the institution.

The course file encompasses key contents, such as vision and mission statements for both the institution and department, relevant syllabus copies, course information sheets with CO-PO mapping, unit-wise detailed lecture plans (lesson plans), handwritten lecture notes, question banks, bit banks, previous end and MID examination papers, soft versions of PPTs, video lectures, and assignment/tutorial questions.

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

2.4 - Teacher Profile and Quality

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

174

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

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

34

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

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

804

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms**2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year**

15

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

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

46

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	No File Uploaded

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

The institute's examination cell ensures the orderly and reliable conduct of both MID and End Examinations, along with the evaluation process for students, maintaining strict adherence to procedures. All assessment and evaluation activities are carried out meticulously.

To keep stakeholders informed, the institute's website hosts academic calendars, rules, academic regulations, and the course structure and syllabus for each course before the start of every academic year.

The institution employs two assessment processes for each course: continuous internal evaluation and end-semester examination. For the latter, two sets of question papers are prepared by faculty members from another institution who are holding doctoral degrees, incorporating BLOOMS Taxonomy levels appropriately. The evaluation scheme for the question papers is prepared in a clear and detailed manner, including sub divisional marks.

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

2.6 - Student Performance and Learning Outcomes

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

For each course, Course Outcomes (COs) are developed based on BLOOM's taxonomy, while Programme Specific Outcomes (PSOs) are crafted for all programs and shared with stakeholders. The department formulates Program Educational Objectives (PEOs), PSOs, and COs, gathering inputs from various stakeholders. These PSOs undergo review by the Department Academic Committee, and the finalized versions are approved by the Board of Studies (BoS) and Academic Council.

Guidelines for CO formation include defining six COs with incorporated BLOOM's taxonomy levels and verbs. COs should be defined for the entire course, not unit-wise, using single or multiple action verbs. Questions prepared must be mapped with the COs, ensuring clarity and achievability.

The mechanism for publishing and disseminating the Institute/department's Vision, Mission, COs, POs, PEOs, and PSOs involves several methods:

1. Display at prominent places in the department.
2. Inclusion in brochures and department catalogues.
3. Distribution through syllabus copies.
4. Documentation in laboratory records.
5. Inclusion in department magazines and newsletters.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	https://www.sistk.org/departments/ece/syllabus.php

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

Each course is assigned six Course Outcomes (COs) using BLOOM's Taxonomy, and their achievement is assessed through

tests and end-semester examinations. Continuous Internal Examination (CIE) results are obtained from MID-I and MID-II exams, along with two assignments and the end-semester exams, which contribute to the overall evaluation. The internal exam carries a 40% weightage, while the end-semester exam carries 60%.

The steps for measuring course outcomes include setting targets for COs, framing questions at appropriate Bloom's Taxonomy levels, specifying COs and Bloom's Taxonomy levels for each question, posting marks for each assessment, and calculating CO attainment for each student and course.

Program Outcome (PO) / Programme Specific Outcome (PSO) attainment is calculated through both Direct and Indirect attainment of COs, with 80% and 20% weightage, respectively. Direct attainment involves calculating the CIE using MID exam marks, including descriptive (20 marks) and objective (10 marks) components, assignments, and end-semester exam marks. Indirect attainment, contributing 20%, is based on course-end surveys obtained for individual subjects at the end of each semester.

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

2.6.3 - Pass Percentage of students

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

289

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	http://siddharthgroup.ac.in/sistkresult_page.html

2.7 - Student Satisfaction Survey

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

<https://www.sistk.org/mt-content/sss/SSS2022-23.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

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

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

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

A detailed review is done for proposals seeking funding from

various funding agencies by R&D cell and RAC. Research labs are established in departments with latest equipment's for carrying out research activities.

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

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

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

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

2.20

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

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

64

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

3.2 - Resource Mobilization for Research

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

0

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

3.2.2 - Number of teachers having research projects during the year

0

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

3.2.3 - Number of teachers recognised as research guides

1

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

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

0

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

3.3 - Innovation Ecosystem

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

The Institution provides a conducive environment for promotion of Innovation and Incubation. All required facilities are provided and guidance is extended to the

students. Students are encouraged to actively involve in the application of technology for societal needs. Necessary support is provided for Documentation, Publication of Research Papers and also for obtaining patents. The Institution provides technology awareness meets, workshops, seminars and guest lectures on Entrepreneurship to students and faculty. Students are provided opportunities to directly interact with outstanding entrepreneurs excelling in their field. Product service Training is provided for creating awareness on marketing the products. The sole objective of the Innovation Centre is to facilitate students to convert their Ideas into Technological Innovations. Students are provided facilities to build prototypes useful for promotion of Agriculture and Rural Development. Financial Assistance is provided for major and minor Research Projects.

Workshops on emerging trends in Technology are organized periodically. Model Expos are held and Students are awarded cash prizes for best models. Students are encouraged to gain hands on experience and better Industrial Exposure. The College has recognized Research Centres in the departments and this would be an added advantage to the students to develop their Prototypes.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.sistk.org/departments/ece/policies/innovation.pdf

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

3

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

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software	A. All of the above								
<table border="1"> <thead> <tr> <th data-bbox="102 566 520 633">File Description</th> <th data-bbox="520 566 1356 633">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="102 633 520 925">Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check</td> <td data-bbox="520 633 1356 925" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="102 925 520 992">Any additional information</td> <td data-bbox="520 925 1356 992" style="text-align: center;">View File</td> </tr> </tbody> </table>	File Description	Documents	Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File	Any additional information	View File			
File Description	Documents								
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File								
Any additional information	View File								
3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year									
3.4.2.1 - Number of PhD students registered during the year									
0									
<table border="1"> <thead> <tr> <th data-bbox="102 1305 520 1373">File Description</th> <th data-bbox="520 1305 1356 1373">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="102 1373 520 1485">URL to the research page on HEI website</td> <td data-bbox="520 1373 1356 1485" style="text-align: center;">Nil</td> </tr> <tr> <td data-bbox="102 1485 520 1664">List of PhD scholars and details like name of the guide, title of thesis, and year of registration</td> <td data-bbox="520 1485 1356 1664" style="text-align: center;">View File</td> </tr> <tr> <td data-bbox="102 1664 520 1731">Any additional information</td> <td data-bbox="520 1664 1356 1731" style="text-align: center;">View File</td> </tr> </tbody> </table>	File Description	Documents	URL to the research page on HEI website	Nil	List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File	Any additional information	View File	
File Description	Documents								
URL to the research page on HEI website	Nil								
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File								
Any additional information	View File								
3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year									
39									

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

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

4

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

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

3.4.5.1 - Total number of Citations in Scopus during the year

16

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

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

3.4.6.1 - h-index of Scopus during the year

2

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

3.5 - Consultancy

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

2.5224

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

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

0.7 Lakh

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

3.6 - Extension Activities

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

The College was allotted a National Service Scheme (NSS) Unit by JNT University Anantapuramu. About 500 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.

The NSS unit concentrates on the welfare of the neighbourhood community and sensitizes their social problems and takes necessary steps for the betterment of the society. These social outreach programmes brought a great impact on the holistic development of the students as they come across different categories of the people and their living standards.

Every year during Independence Day and Republic day, NSS students coordinate with the other clubs of the institute to demonstrate on current social problems through parades, rallies. Career guidance and Goal setting program was carried out at Zilla Parishath High school. Students gained knowledge of various job opportunities.

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

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

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

2

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

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

36

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

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

4423

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

3.7 - Collaboration

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

7

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

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

14

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

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, seminar halls, and a cutting-edge auditorium. The entire campus is covered and monitored by CCTV cameras for safety and security reasons. 41 Classrooms equipped with ICT facilities, 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 students to improve their English speaking and writing skills, the institute includes a complete language lab with up-to-date learning resources. All computer laboratories are fully equipped with the latest high configured 920 Systems and required software's. A high-speed internet connection with a capacity of 300 Mbps is available. The Institute has domain-centric laboratories as per the norms of AICTE and regulations of JNTUA, Ananthapuramu.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sistk.org/downloads/ictfacility22-2023.pdf

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

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

Cultural Activities:

- The Institute has a centralized air-conditioned auditorium in an area of 4700 Sq. m with a seating capacity of 4000.
- There is a 20000-seat open-air auditorium at the Institute, which facilitates the conductance of cultural functions.

Yoga:

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

Sports & Games:

- A total of 7 acres area is allocated for outdoor sports purpose and is capable of hosting national- level sport competitions.
- The Institute has a well-established Physical Education

department with a well-experienced and qualified Physical Director to teach students and encourages them to participate in State/ University - sponsored sports activities.

- College teams are formed to compete in State and University-level contests, as well as other intercollege events.
- 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	View File
Upload any additional information	View File
Paste link for additional information	http://www.sistk.org/sistk_gallery.php

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

41

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

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

243.60

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

4.2 - Library as a Learning Resource

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

Siddhartha Institute of Science and Technology has a spacious Central Library with 790 sq.m and can accommodate 252 users. It is automated with version 3.2 New Gen Lib, an Intergated Library Management System. The Library has a good collection of 27779 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.

Description of library :

Name of the ILMS software : New Gen Lib

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

Year of automation :2023

S.no

Library Facilities

Required as per AICTE

Available

Remarks

1

Library Area in sq.m.

785

790

Adequate

2

Library Book Titles

5150

6682

Adequate

3

Library Book Volumes

27100

27779

Adequate

4

Journals

90

147

(51 NJ + 96 IJ)

Adequate

5

ILMS

1

1

Adequate

6

Seating Capacity

150

200

Adequate

7

Digital Library Systems

10

30

Adequate

*NJ-National Journal, IJ-International

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

- Reading Room
- Digital Library with 30 systems
- Project discussion Room
- Binding room with reprographic facility

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

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

A. Any 4 or more of the above

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

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

53.93

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

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

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

330

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

4.3 - IT Infrastructure

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

Response:

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. Total of 920 computers are available to carry out academic and administrative work.

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.

Firewall

The college intranet is secured with dedicated firewall protection sourced from LIMRAS ERONET who is a leading enterprise security solutions provider.

Budget for updating IT facilities

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

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3189	920

File Description	Documents
Upload any additional information	View File
4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	A. 750 Mbps
File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File
4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	A. All four of the above
File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://youtu.be/TxCGBEJHHE0
List of facilities for e-content development (Data Template)	View File
4.4 - Maintenance of Campus Infrastructure	
4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)	
327.62	
File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

Response:

The institute physical, Academic, and support facilities such as laboratories, library, sports, indoor stadium, computers, and classrooms are all well-maintained. The Maintenance staffs also take charge of maintaining the restrooms, access roads, and overall campus cleanliness.

Laboratories:

Every lab is provided with safety equipment, and the students/staff are given necessary instructions to maintain safety in the laboratories.

Library facility:

The Library is led by a qualified Librarian and supporting staff. Inside the reading room, a suggestion box has been placed to collect users feedback. Students are allowed to library only on production of their authorized/valid Identity Cards.

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.

Classrooms:

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

Electrical Works and Maintenance:

The institute has an efficient in-house team of well-trained electricians and plumbers who maintain the IT and electrical services.

Transport Facility:

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

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.sistk.org/organization chart .p hp

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

1614

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

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

45

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology	A. All of the above
File Description	Documents
Link to Institutional website	https://sistk.org/placements.php
Details of capability development and schemes	View File
Any additional information	View File
5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year	
924	
File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File
5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees	A. All of the above

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

5.2 - Student Progression

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

174

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

5.2.2 - Number of outgoing students progressing to higher education

36

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

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

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

36

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

5.3 - Student Participation and Activities

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

5

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

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

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

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

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

8

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

5.4 - Alumni Engagement

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

Our institute have registered alumini named "Siddartha Institute of Science and Technology alumini association" is registred in 2021 under societies registration act 2001(No. 242 of 2021). Total 1998students 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 6,32,000 has been donated to the college by the alumni association.

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

5.4.2 - Alumni's financial contribution during the year

C. 5 Lakhs - 10 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

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	View File
Paste link for additional Information	https://www.sistk.org/governing_body.php

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

6.2 - Strategy Development and Deployment

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

The Strategic/ Perspective plan has been clearly expressed effectively and executed.

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

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

The institutional 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	http://www.sistk.org/organization_chart.php
Upload any additional information	View File
Paste link for additional Information	http://sistk.org/mtcontent/uploads/2020/01/service-rules.pdf

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

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

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	View File
Paste link for additional information	https://sistk.org/mt-content/uploads/2020/01/service-rules.pdf

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

48

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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

11

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

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.)

172

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institute successfully 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	View File
Paste link for additional information	http://www.sistk.org/finance_committee.php

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

0

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

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

Yes, the Institution has a proper strategy for 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	View File
Paste link for additional Information	http://www.sistk.org/finance_committee.php

6.5 - Internal Quality Assurance System

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

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	View File
Paste link for additional information	https://www.sistk.org/downloads/IQAC%202022-23.pdf

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

The IQAC 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 members 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	View File
Paste link for additional information	https://www.sistk.org/downloads/IQAC%202022-23.pdf

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

B. Any 3 of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://www.sistk.org/downloads/Annual%20report%202121-22.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

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

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

It is proud to the institution that among 2096 total students, 669 are girl students which is 32% of total students. Also, among 174 staff, 58 lady faculty are working in the institution which is 33.33% of total staff. Besides these, 5 out of 9 departments are leading by lady faculty only.

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

Besides these, WEC conducts some events like Constitution day, International & National Girl Child days, Women's day, Constitution day etc. to maintain the gender equity in the campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.sistk.org/downloads/genderequity2022-23.pdf

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

A. Any 4 or All of the above

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

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

Waste Management in College

Waste management is the overall process of collection, transportation, treatment and discarding of waste products, sewage and garbage.

There are many forms of waste such as solid, gas or liquid and each has different process of disposal and management. Waste management manages different types of waste created by industries, household, commercial activities or natural waste. Large segment of waste management deals with municipal solid waste i.e. the waste created by industries, housing and commercial establishments.

The general concepts of waste management are waste hierarchy, that includes three approaches that are reduce, reuse and recycle. Second is life cycle of product that includes designing, producing, distributing followed by the 3 R's of waste hierarchy. The third concept is resource efficiency that focuses on efficient use of resources. And the fourth concept is polluter-pay principle where the polluter-party i.e. one who generates waste has to pay for the impact caused to the environment. However, waste management carried on in developing and developed countries, cities and villages varies.

Each and every department of Siddartha Institute of Science and Technology, Narayanavanam Road, Puttur, creates some waste and dumps in small waste-bins located in the department. The Bio-degradable wastes are effectively converted to fertilizer by composting inside the college campus.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

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

A. Any 4 or all of the above

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

7.1.5 - Green campus initiatives include

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

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

A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded

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

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

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

A. Any 4 or all of the above

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

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

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	View File

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

Response:

The institution, being a private self-financing affiliated college, has limited opportunities for students. To foster diversity among students and faculty, the Institution creates an environment that allows people from many cultures, regions, languages, and socioeconomic backgrounds to coexist. With specific inputs from Management and the Principal, the Institution implements projects and programs within the campus to provide a pleasant atmosphere for all students and staff. The institution has worked to create an inclusive environment that promotes peace, tolerance, and harmony among students and faculty. By virtue of the admission procedure, students from all districts and cross sections of the state, with the exception of a few from other states, are admitted based on merit according to the AP State Council rules. Once a student is admitted, he or she will be supplied with equal resources for bringing harmony and nurturing for holistic growth. To guarantee the complete development of students and staff, the institution encourages them to participate in community services and build good citizenship. To promote Indian culture, the institution celebrates all national festivals, including Independence Day, Republic Day, and Engineering Day. The institution is increasingly involved in conducting the outreach programs for the welfare of the society and to create awareness among students towards social issues.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:	
<p>By introducing courses like Universal Human Values, Professional Ethics, Essence of Indian Traditional Knowledge, and Indian Constitution, various educational and other activities are being organised to infuse Human Values, Constitutional Values, Fundamental Rights, and Duties and Responsibilities of Students. We established a course in environmental study to help students build sustainable practises.</p> <p>The institution hosts NSS events to provide students the chance to participate in community service projects including tree planting, blood donation drives, and health awareness events. The establishment of anti-raging cells, gender equality cells, women's empowerment cells, discipline committees, etc., plays a crucial role in ensuring the welfare of students.</p> <p>Gaining information about many people from various walks of life, developing leadership qualities, and fostering student confidence. The aforementioned institution frequently observes Independence Day, Republic Day, Constitutional Day, Voters Day, Swatch Bharat, and Cleanliness Campaign to educate and raise awareness among the students about the importance of these significant holidays.</p>	
File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

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

A. All of the above

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

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

In the institution, we regularly observed calendar events that were significant for a variety of reasons, including social, national, international, economic, scientific, commemorative, and others. National and international holidays 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 year, 2022-23. In this context, numerous events such as essay competitions, elocution competitions, quizzes, paper presentations, poster presentations, etc. relevant to the festivities were held. Elites and well-known figures were invited to speak to the

gathering. It was found that the young people's thoughts were awakened, inspired, and striving toward maintaining their studies life well.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

1. TITLE OF THE PRACTICE:

Clean and Green Practices for Sustainable Environment

2. TITLE OF THE PRACTICE:

Celebrating National and International Days

File Description	Documents
Best practices in the Institutional website	https://www.sistk.org/downloads/BestPractice2022-23.pdf
Any other relevant information	Nil

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)

One of the priorities of SISTK is to ensure inclusive education and to develop rural areas through a few initiatives that ensure inclusivity.

The faculties of the institute were given training under Digital Education Technology Enabled Teaching & Learning at

Vijayawada. The faculty trained 1200 Teachers of 82 Government schools in around the institute towards the Digital Education and academic enhancement of School children using Technological gadgets. The institute resources were utilized i.e. 900 systems were used for the conducting the Central and State government competitive exams.

The faculty and students were actively involved by understanding rural realities through Unnath Bharath Abhiyan. Our Institute students visited around 30 villages and a keen observation is made on the local people living conditions and their challenges. The people were guided and trained to improve the living conditions with their self-confidence and to change their life style into the next level.

Apart from Academics, various community services and social transformation programme were conducted under NSS like tree plantation, Blood Donation camp, Health care Awareness Programme, Clean and Green Camp etc.

File Description	Documents
Appropriate link in the institutional website	https://sistk.org/library.php
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

To strengthen Academic resources, All the Faculty members of the Institute are well qualified with experienced. They adapt various teaching methodologies to teach effectively to the students. They have a clear understanding of how to combine the elements of teaching and service in a way that makes the best use of the time and resources available. Video lessons are available for all courses. Students can utilize video lessons if they absent for physical classes. Further, YouTube links <https://www.youtube.com/@SISTKe-resources> are provided for the courses. Thus, every student is highly strengthened in academics for accomplishment of good results .

The creation of Virtual Laboratories, simulate the processes and actions that could take place in real laboratories. It aims to meet the requirements of a real laboratory and to

support communication and collaboration services. It facilitates and gives accurate results of some experiments that may require complicated and expensive appliances. It provides teachers with practical applications of the curriculums to help them cover the different aspects of their courses and give students a chance of understanding the scientific material well. It allows the students to re-conduct their desired experiments many times, until they grasp all the information.