



SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

SAI SPURTHI INSTITUTE OF TECHNOLOGY

**B.GANGARAM,SATHUPALLY,KHAMMAM TELANGANA
507303**

www.saispurthi.ac.in

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BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Sai Spurthi Institute of Technology started in 2001, is offering five B.Tech programs in EEE, ME, ECE, CSE(AI&ML), and CSE; MBA program and Diploma programs in EEE, ME, and ECE, and is located on a sprawling campus of 27 acres on the Highway from Khammam to Rajamundhry in B. Gangaram Village, Sathupally Mandal, Khammam District, Telangana state. The college was established by renowned Vipasana Educational Trust, chaired by Dr. B. Partha Sarathi Reddy an eminent industrialist & Sri D. Prabhakar Reddy an educationist who plays the role of Secretary & Correspondent.

SSIT was recognized by AICTE, New Delhi and affiliated to JNTUH, Hyderabad. The Institute has the sanctioned intake of 360 students in both UG & PG. In a short span of time, SSIT has grown to take place among the finest institutions in Telangana and is blending the best traditions with vibrant energy and diversity.

Sai Spurthi Institute of Technology was conferred, NAAC Accreditation (awarded B Grade in the First Cycle), in the academic year 2013-14. As a quality initiative, all the stake holders of SSIT work in the framework of its well defined Vision, Mission and Quality Policy.

Vision

To make the students achieve highest standards of quality technical education adaptable to suit present day requirements in the fields of science and technology and to mould them morally into persons of character and integrity.

Mission

To awaken the students to the reality of identifying their potentials and talents through meticulous and systematic grooming to gain the spirit and inventiveness to build a career full of glorious prospects and eventful future.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Qualified and experienced staff
- Modern state of the art Infrastructure facilities
- Pollution free and Eco friendly Environment
- Top management commitment
- The institute is well known for quality of education and discipline
- Consistently good University results
- Student centric facilities: CODE TANTRA online platform; TASK; Infosys campus connect; professional student chapters ISTE, IEEE; e-Class Rooms; English language Labs.

- The institution empowers rural youth
- Staff retention ratio is very high
- Good computation facility with adequate software

Institutional Weakness

- Rural Background
- Inadequate research and consultancy
- Less no. of Doctorates
- Poor Quality of incoming students
- Lack of “Finishing School” facility
- Weak links with industry
- Limited external funding

Institutional Opportunity

- Increased global need for quality engineering graduates
- Catering to the rural youth thus touching the bottom of the pyramid in Nation building
- More jobs particularly in software industry
- Establishments of SEZs in India for industrial growth

Institutional Challenge

- Exponential growth of new Engineering Colleges
- Gradual deterioration in the standards of incoming students
- Unavailability of qualified and experienced staff due to rural background
- Entry of Deemed to be Universities.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Sai Spurthi Institute of Technology (SSIT) affiliated to JNTUH and adheres to the curriculum for all the programs offered by the JNTUH. SSIT takes tremendous efforts to fulfill its vision and mission of developing overall human resource through quality education by creating conducive educational environment that promotes the development of skilled human resource.

The following measures are taken to ensure effective curriculum delivery:

1. Academic Advisory Committee
2. Timetable Committee
3. Head of the Department (HOD):

4. IQAC(it advises to the Head of the Institution)

The curriculum is effectively delivered by qualified and experienced faculty abiding by the vision and mission of the college and mapping, syllabus prescribed by the University, Lesson Plan, Teaching Diary, Teaching Notes, Timetable, innovative pedagogical approaches, ICT facilities etc.,

SSIT strongly believes in imparting quality education through transparent and accountable process with a hierarchy of Governing body (BOG), Academic Advisory Committee (AAC), Principal, Heads of the Department, Senior Faculty Members, Student Representatives (CRs) are involved in the deliberations to evolve the activity calendar of the institution before the commencement of every semester. Activity calendar is drafted strictly abiding to the timelines of the Academic Calendar of the University. A 16 week semester Academic Calendar is circulated by the affiliating university excluding one-week preparation & Practice, One-week Mid-term examinations, one-week Laboratory external examinations followed by two-week External Examinations. Faculty of the Institution contributes their best to deliver the curriculum.

The college encourages gender equality by giving its way to a strong Women Empowerment Cell and other Cross Cutting issues like Environmental Studies, Human Values and Professional Ethics, to create a social responsibility among the student community.

It is a continuous practice at SSIT to identify Slow learners during the instructional classes and the respective faculty gives necessary and required guidance for them. A designed Remedial class work system is planned after every examinations for the student having backlogs in their examinations

SSIT has a very transparent feedback system where feedback is taken on the Curriculum by the following stakeholders 1) Students 2) Faculty 3) Parents 4) Alumni

Teaching-learning and Evaluation

The quality of students seeking admission in **Sai Spurthi Institute of Technology** has been improving year on year which is evident by the ranks of the students joining. As they are from diverse backgrounds the institution is providing academic and other support. Remedial classes are conducted for slow learners. Bridge courses are organized for the lateral entry students. The advanced learners are encouraged to participate in NPTEL courses, Task workshops, CRT training programmes etc. The institute follows a Mentoring system in which around twenty students are assigned to each faculty and he/she functions as their local guardian.

The institute has a policy of recruiting well qualified and experienced faculty as per AICTE norms and this has contributed to improving the Teaching-Learning process. The institute maintains the requisite teacher-student ratio. The courses are assigned to the faculty based on their competencies and specializations. Teachers prepare an elaborate course plan, lesson plan and handouts as part of the academic schedule. Innovative processes in Teaching and Learning like ICT tools and modern pedagogical techniques are adopted.

To bridge the gap between the curriculum and the industry requirements, Program specific technical training programs are conducted. To further strengthen students' domain knowledge guest lectures, workshops, conferences etc. are organized.

As an affiliated institute, the examinations and evaluation system follow systematic rules and regulations which are directed by JNTUH from time to time making the system more efficient.

A set of PEOs, POs and PSOs are formulated for every program based on the 'outcome based education' approach. Course objectives and outcomes, are prepared for each course following the appropriate levels of Blooms taxonomy. The internal and external question papers setters also follow various levels of Bloom taxonomy such as Application, Analysis and Evaluate, so as to set quality questions which do not cater to the rote-learning method. Systematic procedures have also been devised for assessing the attainment of PEOs, POs, and PSOs and COs. The appropriate corrective measures are implemented based on the attainment levels perceived every year. With all these efforts the pass percentage of students has increased resulting in good placements and employability.

Research, Innovations and Extension

The Institute has a vibrant Research environment with linkages to Government R&D Institutes, Industry and Consultancy agencies. The Institute has an approved R&D policy document to provide important information to the faculty and staff about R&D objectives, schemes, available resources and financial benefits. The Institute has formed Research Coordinators Committee and an Industry Institute Interaction committee for promoting and directing Research and Consultancy.

The college management encourages faculty to submit research proposals. Conduct research for which research committee has been in place to facilitate the research. The Sai Spurthi Institute of Technology organizes workshops and sensitization programs to create to research spirit among faculty and students. However teachers are encouraged to register for Ph.D during past five years. A total of 04 scholars have completed Ph.D. degree over 107 research papers are published in reputed journals, 02 faculty members submitted their thesis and 05 faculty members pursuing Ph.D Many of the faculties in the college have published their research papers in reputed national & international journals and books. The Institute has 12 functional Memoranda of Understanding (MoU) from Industry as part of funded research.

The institution is also actively involves in extend assistance on the community issues and to makes them more sensitive towards society as a whole at SSIT extension activities are integrated with the curricula. A total of 36 extension activities for the community were conducted in the last five years besides organizing several blood donation camps NSS team in association with extra-curricular activity committee and some social activists undertake activities pertaining to social and environmental issues. It includes sensitivity towards orphans and especially abled, health and hygiene issues, awareness about organ donation, blood donation, consumer rights, sexual harassment, and traffic rules etc. The teachers are encouraged to do research and incentives are being awarded to teachers who receive State, National and International recognition. The institute ensures participation of the students and the faculty members in extension activities organized by NSS, College Extension Activity Cell, and NCC, Students Alumni Association.

Infrastructure and Learning Resources

The institute has ICT enabled classrooms, well equipped laboratories, sports facilities and good infrastructure spread over 26.12 acres with lush lawns, beautiful landscape, aesthetic architecture and eco-friendly environment. The classrooms are well-furnished, spacious with good ventilation and are well illuminated. They are maintained as per norms for proper visibility and audibility.

The college has three seminar halls and one conference hall. All seminar halls have different seating capacity, and these are equipped with ICT facilities. Digital boards have been installed at selected locations. The college has an exclusive seminar hall established under a Quality Enhancement in Engineering Education (QEEE) program which is equipped with advanced ICT facilities for conducting QEEE classes, NPTEL video lectures, webinars etc.

The college has established a high-speed campus-wide network connecting all departments with 422 systems. Full access is provided to all staff to access online sources of services and information through two leased lines each of 120 MBps from BSNL & MyGuru. CCTVs installed at strategic places help to monitor the campus activities. The Institution has power management department to ensure uninterrupted power supply and maintenance of electrical assets. The Institution has power house installed with one Diesel Generators of ratings 100 kVA, and solar power with an installed capacity of 100 kW. The maintenance of equipment like Diesel Generator Sets, Power Distribution Systems, Elevators, Air-conditioners, Fire-Fighting Equipment, Drinking water, Water-coolers and Solar Panels etc. is undertaken by authorized vendors under annual maintenance contract(AMC). The Institution provides Cafeteria, Banking/ATM, Books & Stationary and Transport facilities which includes 4 buses for all students and staff.

The institution has a central library with a floor area of 600 Sq.m with a reading space 450 Sq.m. The Library also has a collection of more than 600 titles, 37000 volumes and subscribes to 500 E-Journals such as IEEE etc. 10000 E-Books and 100 printed Journals & magazines. The E-Journals can be accessed through LAN (campus wide network) and also remote access with multi-user facility by all the students and staff.

Student Support and Progression

The key aspects as below describe the steps taken by the institution to provide necessary assistance to the students in terms of academics such as providing meaningful experiences for learning at the campus facilitating holistic development and progression. It also aims at student performance and alumni engagement and the progression of student for higher education and/or achieving employment.

The economically and socially challenged students are provided with financial assistance by State and Central Government Agencies based on certain economic criteria. Financial assistance is also given by college management to the needy students through Merit Scholarship.

The capability enhancement and development schemes include skill development courses like communication skills, soft skills, and technical skills and structured CRT programs. Co-curricular and Extracurricular activities are also embedded into the system for an overall development of a student.

Remedial coaching is providing for academically weak students so that they can improve in their academics. Bridge courses are also conducting for lateral entry students in the II year to address the curriculum gaps between diploma and current course of study.

The institute follows a Proctorial system in which around twenty students are assigned to each faculty. Besides this, personal counseling is given to students through a qualified professional Student Counselor.

The consistent academic and other support rendered, has resulted in increased net selections in placements and gradual improvement in average pay package. Performance in competitive exams have also increased resulting in admissions into Higher Educational Institutions both in India and Abroad.

A plethora of sports and cultural activities / competitions are organized by the institution every year wherein the students play an important role in planning and organizing.

The institution also has a transparent mechanism for timely redressal of student grievances. Students are represented in several academic & administrative bodies/committees of the institution. The committees are College Academic Committee, Library committee, Anti ragging committee, Monitoring Committee, IQAC, Women Empowerment cell etc.

There is also a registered Alumni Association (SSIT Alumni Association) which contributes significantly to the development of the institution through financial and non financial initiatives.

Governance, Leadership and Management

The SaiSpurthi Institute of Technology has a well – defined vision, mission, Organizational structure, governing body, College Academic Committee & Various Departments are functioned and organized by the principal. Each and every committee constitutes for a specific purpose. The work will be assigned to the committees as per the decentralization of the specific committees.

E – Governance is implemented in the administration of various categories finance and accounts, E-ZSchoolsoftware is used for student administration, Bio-metric and eTime Track Lite Software for administration of faculty attendance, E-notice board for circulating E Circulars, CC Camera's in the corridors, entrance, Laboratories, office, Examination Branch and in the Class Rooms for Surveillance purpose in the administration of faculty monitoring, for monitoring students during class work , lab works and mainly during examinations. In the administration Internal Audit and External audit will be done in time always and internal audit team will do the internal audit and external audit will be done by the external audit team.

The College has several Policies like E- Governance policy, recruitment policy, code and conduct policy, promotion policy, incentive policy, personal appraisal policy etc., and these policies will be followed by the institute strictly.

The institute is having several welfare measures to the teaching and non-teaching members by providing financial supports like granted advance payments from college, obtaining loans from SaiSpurthi Employee Welfare Society, Providing financial assistance in purchasing laptops for teaching on-line classes, Providing Medical Insurance – Vidal Health Cards to all the SSIT Family members and also assisting Provident Fund to the employees.

The SaiSpurthi encourages the faculty members by assisting financial support paying registration fees, TA and

DA when the faculty publishes papers in the reputed journals, attending workshops, attending faculty development programs. SSIT and the environment always encourages the faculty to upgrade their educational qualifications in all aspects.

Institutional Values and Best Practices

At SSIT we believe in providing an equal opportunity for all the genders and take some pertinent steps to bring sensitivity towards the gender related issues. In order to maintain Safety & Security of the women faculty and girl students, Women Empowerment Cell was established.

Establishment of Solar Power Plant and implementing various energy conservation measures taken up by SSIT to attract the attention of students community and society towards 'Sustainable Development'; and participation in mass transformation programs conducted in Schools and Colleges of Khammam District in association with Lead India 2020 foundation are some of the Best Practices adopted and implemented by the college.

SSIT has a separate maintenance team consisting of gardeners and sweepers for effective waste management (Solid, Liquid and E-waste) in keeping the campus clean & green.

Every year our college organizes National festivals and birth/death anniversaries of the great Indian personalities. Inculcating social responsibility in students our 'Sai Spurthi Student Seva Samithi' and NSS organizes various programs throughout the year. The Institute emphasizes on Moral code of conduct for students and staff members.

SSIT is conscious of the need for keeping the campus green and eco-friendly. Our college has successfully installed the rain water harvesting system to effectively use the water resources. The extensive growth of trees in the campus is ample proof of the intent of the Management to make the campus eco-friendly. Approximately 35% of total energy is being met through Renewable sources of energy as green initiative. Energy conservation and eco-friendly measures such as Solar Power Plant, Solar Water Heaters in both Boys and Girls Hostels, Solar street lights, use of LED bulbs and energy efficient Super fans, Rain water harvesting, Plantation etc. are major initiatives.

Upliftment of Rural populace through Technical Education is our Institution's Distinctiveness.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	SAI SPURTHI INSTITUTE OF TECHNOLOGY
Address	B.GANGARAM,SATHUPALLY,KHAMMAM TELANGANA
City	SATHUPALLY
State	Telangana
Pin	507303
Website	www.saispurthi.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	CH. VIJAYA KUMAR	08761-288544	9491109564	08761-28854 4	sssit.principal@gm ail.com
Professor	K.V JAWAHAR	08761-	9989965736	08761-	kotagirivj@gmail.c om

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of establishment of the college	19-07-2001

University to which the college is affiliated/ or which governs the college (if it is a constituent college)

State	University name	Document
Telangana	Jawaharlal Nehru Technological University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	15-06-2020	12	

Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No
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Recognitions

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	B.GANGARAM,SATHUPALLY,KHAMMAM TELANGANA	Rural	26.12	19750

2.2 ACADEMIC INFORMATION

NAAC

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Electrical And Electronics Engineering	48	INTERMEDIATE	English	60	32
UG	BTech,Electronics And Communication Engineering	48	INTERMEDIATE	English	60	43
UG	BTech,Computer Science And Engineering	48	INTERMEDIATE	English	60	55
UG	BTech,Mechanical Engineering	48	INTERMEDIATE	English	60	15
UG	BTech,Computer Science And Engineering In Artificial Intelligence And Machine Learning	48	INTERMEDIATE	English	60	52
PG	MBA,Master Of Business Administration	24	DEGREE	English	60	11

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	5				12				50			
Recruited	5	0	0	5	10	2	0	12	42	8	0	50
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				52
Recruited	34	18	0	52
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				17
Recruited	16	1	0	17
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	2	0	0	1	0	0	2	0	0	5
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	3	0	0	9	2	0	40	8	0	62

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	0	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	164	0	0	0	164
	Female	101	0	0	0	101
	Others	0	0	0	0	0
PG	Male	6	0	0	0	6
	Female	5	0	0	0	5
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	20	21	19	28
	Female	23	13	7	9
	Others	0	0	0	0
ST	Male	16	8	15	7
	Female	7	14	0	10
	Others	0	0	0	0
OBC	Male	97	83	54	61
	Female	29	67	34	42
	Others	0	0	0	0
General	Male	40	32	42	53
	Female	29	73	38	44
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		261	311	209	254

Extended Profile

1 Program

1.1

Number of courses offered by the Institution across all programs during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
6	5	5	5	5
File Description		Document		
Institutional data prescribed format		View Document		

1.2

Number of programs offered year-wise for last five years

2020-21	2019-20	2018-19	2017-18	2016-17
2	2	2	2	2

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
914	916	958	1032	1168
File Description		Document		
Institutional data in prescribed format		View Document		

2.2

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
215	206	190	211	249

File Description	Document
Institutional data in prescribed format	View Document

2.3

Number of outgoing / final year students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
219	243	301	335	368

File Description	Document
Institutional data in prescribed format	View Document

3 Teachers

3.1

Number of full time teachers year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
67	73	77	90	113

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
67	73	77	90	113

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 28

4.2

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
277	277.15	277.74	179.15	158.25

4.3

Number of Computers

Response: 422

NAAC

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum delivery through a well planned and documented process

Response:

1.1.1 Response:

we at Sai Spurthi Institute of Technology give ample of room for Co- Curricular and Extra-Curricular activities, without even disturbing the academics. Well experienced and qualified faculty deal with all the prescribed subjects at every level. A well scheduled way of delivery of lectures is done in the classrooms for the better understanding of the students. The designed curriculum is carefully planned by respective faculty of all the departments and delivered in the class rooms. The time table is drafted under the guidance of all the HOD's of the respective departments according to the JNTU prescribed weightage Every subject has been given sufficient number of periods prescribed by the Jawaharlal Nehru Technical University and it is herewith supervised that they are effectively delivered in a planned way under the guidance of the subject seniors, Head of the department and the Principal. Centralized course files which include year plan, notes and important questions are well maintained by the faculty. Class rooms are equipped with Liquid Crystal Display projectors for better display of the class room content. To enhance Audio-Visual impact of subject and better understanding, the classrooms and lab lectures are delivered through Information Communication Technology mode. Every department internally meets with Head of the department every now and then to discuss about the syllabus completion and other issues if any in their respective departments, and bring out the desired changes. Slip Tests are conducted on every unit by the faculty and assessment is done with constructive suggestions to the students for their improvement. To evaluate the comprehension of the topics by the students unit wise assignments are conducted and duly signed by the concerned faculty.

To bring transparency in the day to day college academic affairs a well planned and designed feedback system from students, parents and faculty members is taken in every semester. To create social awareness and gender sensitivity and to enhance professional ethics among students subject like Gender Sensitization and Professional Ethics are introduced by the university. To inculcate additional qualification among staff and students many creative online courses like MOOCS, SWAYAM, NPTEL were given due encouragement and students were asked to enroll in these courses. FDP's, National and International workshops, Webinar's and courses from Course Era were made mandatory for the faculty members.

Mentoring is done on personal levels and is included in schedules of the college. To flush in new energy from experts from various streams, prominent guest lecturers from different intuitions are invited to benefit our students of different departments. To achieve the desired out put the Curriculum Planning and Implantation of the prescribed syllabus is absolutely student centric.

Keeping in view of the curriculum delivery the prime focus of the committee is to ensure quality in teaching & learning process. This committee reviews the curriculum prescribed by JNTUH and suggest required Add-on/ Certificate / value Added to impart required skills. Meetings of the HODs with the Principal to identify training needs.

File Description	Document
Upload Additional information	View Document
Link for Additional information	View Document

1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

Response:

SSIT believe in imparting quality education through transparent and accountable process. Governing body (BOG), Academic Advisory Committee (AAC), Principal, Heads of the Department, Senior Faculty Members, Student Representatives (CRs) are involved in the deliberations to evolve the activity calendar of the institution before the commencement of every semester. A detailed activity calendar is prepared for each semester, clearly mentioning various activities to be conducted, internal evaluation schedule and the tentative schedule of external examination holidays and vacation throughout the academic year. Activity calendar is drafted strictly abiding to the timelines of the Academic Calendar of the University. A 16 week semester Academic Calendar is circulated by the affiliating university excluding one-week preparation & Practice, One-week Mid-term examinations, one-week Laboratory external examinations followed by twoweek External Examinations. As engineering education require more amount of experiential learning,while drafting the activity calendar, care is taken to depict Field trips, Industrial Visits, Workshops etc.

Following the academic calendar of the affiliating university the teaching plan of the courses is prepared by the respective faculty member. This will set a very strong foundation of the academic delivery. HOD ensures the implementation of all standard operating procedures of teaching - learning process.

Every faculty member is trained during the annual Faculty Development Programmes (FDP) with respect to Preparation of Lesson Plan, Classroom management, using ICT facilities for effective content delivery,unbiased evaluation, innovative pedagogical approaches, etc. All the faculty members have to maintain the record of the content delivery such as teaching diary, ICT facilities used, content covered beyond syllabi, assignments etc., in the course file duly mentioning all the activities of the classroom.

Academic Calendar:

- ? The main focus of the academic calendar is to realize the Vision, Mission, Core values, POs etc.
- ? academic calendar is the source of information to plan various curricular and Cocurricular activities duly reviewing the previous year activities.
- ? The academic calendar is communicated to the students by displaying it on the institution website, notice board, induction manual and Institute's Handbook.

Continuous Internal Evaluation (CIE):

- ? Principal and HODs continuously monitor and ensure syllabus completion within the timelines of the academic calendar and conduct of CIE.
- ? Pattern of Internal Examination (theory & Laboratory), assignments, Group discussions, Seminar,Presentations, and Projects etc., are circulated well in advance to make student participation more effective.
- ? The institute follows diverse evaluation parameters for each course which are dependent on the student's participation in demonstrating the required skills.
- ? accordingly, various measures are taken to conduct Makeup Classes / Guest lectures / Add-on /Certificate / value Added / Bridge courses / workshops.
- ? Remedial sessions are conducted during zero hours.
- ? In addition, slip tests and pre-final exams are conducted to train the students for the university

examination.

? Laboratory Internal Examinations are scheduled during 7th and 15th week of every semester in their regular laboratory hours.

? Governing body (BOG), Academic Advisory Committee (AAC) observes the trade-off between strict adherence to the Academic calendar and conduct of CIE and suggests improvements where ever necessary.

File Description	Document
Upload Additional information	View Document
Link for Additional information	View Document

1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

1. Academic council/BoS of Affiliating university
2. Setting of question papers for UG/PG programs
3. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
4. Assessment /evaluation process of the affiliating University

Response: D. Any 1 of the above

File Description	Document
Institutional data in prescribed format	View Document
Details of participation of teachers in various bodies/activities provided as a response to the metric	View Document
Any additional information	View Document
Link for Additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

Response: 100

1.2.1.1 Number of Programmes in which CBCS / Elective course system implemented.

Response: 2

File Description	Document
Minutes of relevant Academic Council/ BOS meetings	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Link for Additional information	View Document

1.2.2 Number of Add on /Certificate programs offered during the last five years

Response: 41

1.2.2.1 How many Add on /Certificate programs are offered within the last 5 years.

2020-21	2019-20	2018-19	2017-18	2016-17
6	26	4	2	3

File Description	Document
List of Add on /Certificate programs	View Document
Brochure or any other document relating to Add on /Certificate programs	View Document
Any additional information	View Document
Link for Additional information	View Document

1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years

Response: 28.28

1.2.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
505	250	243	140	233

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

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

Response:

Institution Ingrates Cross Cutting Issues Relevant Gender Equality

The ultimate goal of our institution is not only to impart technical knowledge, but apart from it preparing the individual with acute social awareness on environment, Gender Equality, Ethics and Professionalism. This in turn builds up the complete character of individuals.

ENVIRONMENT AND SUSTAINABILITY

Our college has best eco friendly vision to minimize the pollution load in our locality with sustainable approach. The institute creates environmental awareness among the students by practicing and campaigning environmental calendar activities.

HUMAN VALUES AND PROFESSIONAL ETHICS

Human Values and Professional Ethics is an innovative course aimed at bringing about a perceptual transformation among the students, by initiating a process of self- exploration. Also involvement in the teaching of this course wills also highly rewarding for teacher's own development.

- **Course Objectives**

- To help the students appreciate the essential complementarily between ' VALUES' and 'SKILLS 'to ensure sustained happiness and prosperity.
- To facilitate the development of a Holistic perspective among students towards life and profession as well as towards happiness and prosperity.
- To promote ethical human conduct, trustful and mutually fulfilling human behavior and mutually enriching interaction with Nature.

- **Course Methodology**

It is a process of self- investigation and self- exploration. Whatever is found as truth or reality is stated as a proposal and the students are facilitated to verify it in their own right, based on their Natural Acceptance and subsequent Experiential Validation.

This process of self- exploration takes the form of a dialogue between the teacher and the students to begin with, and then to continue within the student leading to continuous self-evolution.

- **Teachers Role**

The role of the teacher is primarily that of a facilitator, systematically presenting the facts and facets of reality as propositions, enabling the student to analyze these propositions and verify these on the basis of their Natural Acceptance.

Environmental Science and Technology(*MC300ES)

B.Tech. I Year I Sem

course Objectives

- Understanding the importance of ecological balance for sustainable development.
- Understanding the impacts of developmental activities and mitigation measures.
- Understanding the environmental policies and regulations

Gender Sensitization Lab(*MC400HS)

II Year II Sem

- To develop students' sensibility with regard to issues of gender in contemporary India.
- To provide a critical perspective on the socialization of men and women.
- To introduce students to information about some key biological aspects of genders.
- To expose the students to debates on the politics and economics of work.
- To help students reflect critically on gender violence.
- To expose students to more egalitarian interactions between men and women.

Professional Ethics(MC500HS)

B.Tech. III Year II Sem

- To enable the students to imbibe and internalize the Values and Ethical Behaviour in the personal and Professional lives.
- To enable the students to learn the rights and responsibilities as an employee, team member and a global citizen.

File Description	Document
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View Document
Any additional information	View Document

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 96.67

1.3.2.1 Number of courses that include experiential learning through project work/field work/internship year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
5	5	5	5	5

File Description	Document
Programme / Curriculum/ Syllabus of the courses	View Document
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	View Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document
Any additional information	View Document

1.3.3 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year

Response: 23.96

1.3.3.1 Number of students undertaking project work/field work / internships

Response: 219

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	View Document
Any additional information	View Document

1.4 Feedback System

1.4.1 Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni

Response: B. Any 3 of the above

File Description	Document
Any additional information (Upload)	View Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback process of the Institution may be classified as follows: Options:

- 1.Feedback collected, analysed and action taken and feedback available on website
- 2.Feedback collected, analysed and action has been taken
- 3.Feedback collected and analysed
- 4.Feedback collected
5. Feedback not collected

Response: D. Feedback collected

File Description	Document
Upload any additional information	View Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 66.48

2.1.1.1 Number of students admitted year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
276	261	312	253	255

2.1.1.2 Number of sanctioned seats year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
430	412	380	392	438

File Description

Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response: 86.34

2.1.2.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
188	192	207	166	158

File Description

Document

Average percentage of seats filled against seats reserved

[View Document](#)

Any additional information

[View Document](#)

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

Induction Program:

The institute conducts induction program which forms an ideal platform to counsel the new entrant and to technically strengthen the learner to face the challenges of new professional course work.

Categorization of Learners:

Learning level of a student is identified in the first year itself by taking into account of their previous qualification (Inter/Plus two) scores and Mid 1 Marks. Continuous monitoring is done and depending on attentiveness, daily assessment, and performance of learners in the classroom, lab sessions, and mid exams, they are categorized as advanced and slow learners.

Learning methods for Advanced Learners:

Advanced learners are continuously encouraged to strive for higher goals by providing them additional inputs like:

- Encouraging the students to be active members and become leaders of various professional bodies and branch associations at section and state level.
- To take up industry based projects.
- To identify the emerging technical areas and organize various events relating those areas.
- Content beyond syllabus are taught to quench their thirst for knowledge.
- Encouraging them to prepare for competitive examinations like GATE,CAT etc.,
- Encouraging them to participate in national level paper contests, seminars, group discussions, technical quizzes etc. by organizing events like **VYDHUSYA, MECHRISER, MEDHO SPURTHI, ACSESS** for developing analytical, problem solving and presentation skills.
- Motivating to access latest online journals, reference materials and help them to understand the emerging trends in their field of study.
- Providing opportunity to develop their creativity by organizing inters collegiate and state level cultural, literary, and technical and sports competitions.
- Encouraging them to take specialized training through certificate courses.
- Assistance in helping the slow learners especially during the conduct of tutorials which will enhance their communication skills.
- Campus Recruitment Training (CRT) classes are conducted to improve their performance in the placement interview.

Provision for Slow Learners

The institute also caters the needs of the slow learners. Special Attention will be paid towards these students by **1:20 counseling**, a unique program to motivate all the students to complete the program as per

their respective academic calendars and be ready to take up the careers of their choices.

- Mentors develop a rapport with the concerned students through personal interactions.
- Mentors talk with their parents to make the interaction more effective and result oriented.
- Mentors are informed to provide special attention towards this group of students.

The purposes are as follows:

1. To maintain the spirit of teaching learning process at par with others
2. To prevent the cases of detention because of lack of attendance or dropouts because of lack of interest in education.
3. Special subject remedial classes after the college working hours
4. Spoken English classes to boost the confidence level
5. Periodic counseling
6. Involving them in to their field of interest and then motivate them for good academic performance.

File Description	Document
Upload any additional information	View Document
Past link for additional Information	View Document

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

Response: 14:1

File Description	Document
Any additional information	View Document

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

Response:

In addition to traditional teaching-learning methods, the institute is highly interested in providing innovative methods which like special lectures, field study, case-studies, project-based-methods, experimental methods and group learning methods.

Lecture method:

This conventional method is commonly adopted by all the teachers. This method facilitates the teacher to explain and revise the content of a text only for better understanding of the subject by the learners. At the end of instruction of each unit, the students are given with a specific assignment to enrich their learning. Each Department conducts Guest lecturers within the or beyond the syllabus as mentioned in academic plan of each subject.

Interactive method:

Interactive method of learning includes group discussion, role-play, subject quiz, news analysis, educational games and discussion with question/answers. In all the courses, tutorial classes are conducted where problem solving skills are imparted.

Information and Communication Technology Enabled Teaching:

ICT enabled teaching methods have been made available in the institute. With Wi-Fi facilities for these class rooms and software support for arranging virtual class rooms. ICT enabled class room facility is made available by the Institute to a limited extent.

College has an exclusive digital library consisting 30 systems where students can access e-lectures, e-books, e-journals and e-materials etc. The college has established spacious and well stacked library with required facilities like reading place, journals, reference books, textbooks and literature section independently.

Case Study Analysis and Discussion:

The case study method is a participatory, discussion based way of learning where students gain skills in critical thinking, communication, and group dynamics.

Group Learning Method:

Departments are extensively using Group Learning Method with group size of 5to 10 in specific subjects. All Engineering Students are trained through Group Discussions, Management Games and Group Projects/Assignments to promote group learning activity.

Project-based Learning:

Project work is mandatory for all the courses offered at the institute. The effective phases of survey, case study, implementation, testing and report writing ensure the required project-based learning among the students. Some subjects are augmented with learning through implementation of mini-projects.

Experiential Learning:

The faculty members foster learning environment by engaging in rich experiential content of teaching through experimentation, demonstration, visual aids, periodical industrial visits, organizing exhibitions as well as presenting papers.

Student Seminar:

The Student seminars are mandatory in all programs offered at the institute. Usually students present seminar on contemporary topics as well as state-of-the-art technologies.

Summer Internship Project:

Large percentage of students of UG and PG Courses attend an Internship program for 2 to 4 weeks in the industry during the summer break between pre-final and final years of their program.

Collaboration with Professional Societies

Professional and Technical associations with Industry Experts/Professional bodies like TASK, CISCO where students act as executive committee members under the guidance of faculty as facilitator for the overall development of their soft skills

Industrial Trips

These trips are a part of curriculum that ensures and exposes the young learners to real-time problems in engineering streams & builds the spirit of team work and problem-solving skills

File Description	Document
Upload any additional information	View Document
Link for additional information	View Document

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.**Response:**

Effective content delivery by using ICT tools in the class room for better understanding and reinforcement of the concepts and problem-solving is adopted by all the faculty of the institution. ICT tools complement the traditional teaching-learning methods, and the institute is highly interested in providing innovative methods for enriching the learning experience. The institution has the needed resources which include wide availability of computers in engineering departments and library, high speed internet access and general ICT knowhow among the students and the faculty. The faculties are trained for the efficient use of tools through training sessions at the institute and/or faculty development programmes conducted by AICTE,

UGC, IITs, and NITs. Teaching/Learning methodologies include the use of ICT tools for illustrations and special lectures, field study, case-studies, project-based-methods, experimental methods, flipped classroom sessions etc.

The conventional lecture method facilitates the teacher to interpret, explain and revise the content of a topic, only for better understanding of the subject by the learners. At the end of instruction of each unit, the students are given specific assignment which enriches their learning. To enhance the effectiveness, lectures are presented as 'learning dialogues' including short intermissions facilitating the students to recapitulate the acquired knowledge by way of answering a few questions or a brief peer group discussion or a think-pair-share activity or any other relevant interactive session. Thus, the blended mode of learning which combines direct tutor-taught interaction with the online learning is largely implemented.

ICT components are embedded in the course contents of all relevant engineering disciplines which include free / commercial software used for computation / simulation such as the use of MATLAB for solving linear or differential equations and statistical analysis of experimental results in project works. ICT for course delivery includes power point presentation, video conferencing or educational websites. MOODLE on our college website is a mandatory ICT tool for learning process and resource management, and it also enables monitoring of students' learning process through online quizzes, submission of online assignments etc. It helps our students in blended learning, flipped classroom and other e-learning projects.

ICT enabled Teaching-Learning Process is supported with Regular Practical Sessions, access to Digital Library, Online Courses (MOOCS, NPTEL etc.), online journals, Online tests, Use of LCD projectors for seminars and workshops, productive use of educational videos, and accessibility of non-print material for students of different disciplines. Communication skills training facility is enriched with ICT tools to make the students acquire proficiency in listening, speaking, reading and writing skills.

The case study and the project-based learning methods, which are participatory, discussion/demonstration based ways of learning, enable students gain the skills in critical thinking, communication, and group dynamics and reflect appropriate integration of direct and online interaction of the participating members. As engineering courses are of quantitative nature, embedded with step by step solving of innumerable problems, hands-on sessions in the labs and internships at work places, faculty and students find ICT tools indispensable

File Description	Document
Upload any additional information	View Document
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View Document

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)**Response:** 14:1**2.3.3.1 Number of mentors**

Response: 66

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	View Document
mentor/mentee ratio	View Document
Circulars pertaining to assigning mentors to mentees	View Document

2.4 Teacher Profile and Quality**2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years****Response:** 100

File Description	Document
Year wise full time teachers and sanctioned posts for 5years(Data Template)	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)**Response:** 4.9**2.4.2.1 Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
4	6	4	3	2

File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	View Document
Any additional information	View Document

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)	
Response: 7.58	
2.4.3.1 Total experience of full-time teachers	
Response: 508	
File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode
Response:
Internal assessment in SSIT is very much transparent that every student is aware of the standard internal assessment process of both theory & practical subjects. The institute follows the regulations set by Jawaharlal Nehru Technological University, Hyderabad (JNTUH).
During the semester the question bank is given to the students, consisting of Long Answer Questions (LAQ) and Short Answer Question (SAQ), out of which 10% of questions will appear in the Mid-Term Exam. The questions for the exam are selected from the Question bank by the concern subject faculty and thus the question paper is prepared a day before the commencement of Exam, maintaining the confidentiality. The mid-term marks are divided as 20 marks for descriptive and objective examination and 5 marks Assignment test.
The assignment is conducted periodically as planned by the respective HODs. After every Mid-Term examination, the corrected answer scripts are distributed to students to know their performance and the same is discussed in the class rooms. All the subjects wise Marks are displayed in the notice boards. Before uploading the marks in the university site, the consolidated mark sheet is circulated among students for their clarifications if any.

With respect to laboratory subjects there shall be a continuous evaluation during the semester for 25 marks and 75 end examinational marks. Out of the 25 marks for internal, day to day work in the laboratory shall be evaluated for 15 marks and internal examination for practical shall be evaluated for 10 marks conducted by the concerned laboratory teacher. The end examination shall be conducted with external examiner and laboratory teacher. The external examiner shall be appointed from the cluster of the colleges as decided by the University examination branch. Once marks obtained are calculated and the same is uploaded to the university and even displayed in the notice board.

The faculty mentors analyze the results of their respective students and summon the low performing students to understand the reasons behind the poor performance and accordingly they are motivated for improvement in upcoming examination to avoid failure in the subject. In laboratory, slow learners are permitted to improvise their marks by repeating the experiment if they have scored low. The institute prepares an Academic Calendar in line with university calendar prior to the commencement of the academic year in consultation with the Heads of the Departments. Then the Institute organizes orientation programs to the students to make them acquainted with the rules and regulations of the affiliating university, examinations, evaluation process, Extra-curricular activities etc. Similarly every department organizes a semester orientation program with parents in the first week after starting a new semester. Head of the departments communicate about the labs & subjects of the semester to the students, parents and other institutional members in the semester Orientation Programs. Institute handbooks are handed over to the students after the orientation program and college website link is also provided simultaneously. For University External examination, University will allot the Exam center for the student in different colleges.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

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

Response:

SSIT has the redressal mechanism for grievances regarding examination marks. The cell consists of The Head of the Institute, Head of Departments (HODs), and In-charge of Examination. Students can apply for any issues in the evaluation of their answer scripts. It conducts a meeting to hear students' concern and takes an appropriate decision which is binding on all.

The redressal of grievances regarding evaluation in both internal assessment and university examination is through the following process.

At institute level:

The teacher distributes evaluated answer scripts to students, and any clarifications or grievances are addressed by the teacher. The internal marks are then displayed on notice board. If any discrepancy is noticed, the concerned teacher will resolve the discrepancy, and the necessary corrections will be made

within 2-3 working days. If a student is not satisfied with the marks awarded even after resolved by the teacher, they may represent the same to The Head of the Institute through the HOD concerned. All such representations are taken positively and are reassessed by another teacher if necessary. Parents are informed about their ward's performance through faculty mentor. Students are counselled by the faculty mentor, and remedial classes are conducted for students who have failed in the examinations. Students who are absent for internal exams due to genuine reason can apply for the computer-based test conducted by the university.

At university level:

Students can express grievances by applying for the following evaluation procedure:

Re-counting: If the students are not satisfied with the marks awarded, they can apply for re-counting within a week from the declaration of results through the examination branch at the institution. The results of re-counting will be announced as per the university norms.

Re-evaluation: Students can apply for re-evaluation of their answer scripts within a week from the declaration of results if they are not satisfied with their results. The results of re-evaluation will be announced as per the university norms.

Challenge Evaluation: If the re-counting/re-evaluation results are not satisfactory, a student can apply for challenge evaluation within a week after the announcement of the results. The evaluation process is carried out in the presence of student by two subject experts; one represents from the institution and other from the university.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Response:

In strict compliance with the objectives of Outcome Based Education (OBE), the Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are framed by JNTUH offering the concerned program after rigorous consultation with all faculty and the stakeholders. After attainment of consensus, the same are widely propagated and publicized through various means such as display and/or communication specified hereunder.

Program specific outcomes (PSOs) are the specific skill requirements and accomplishments to be fulfilled by the students at micro level and by the end of the program. The programme co-ordinators prepare the PSOs, usually two to four in number, in consultation with course coordinators. The BOS, including Head of the Department and subject experts, of the individual departments will discuss the same and approve it after endorsement by the Principal.

Program Outcomes (POs) are broad statements that describe the professional accomplishments which the program aims at, and these are to be attained by the students by the time they complete the program. POs incorporate many areas of inter-related knowledge, skills and personality traits that are to be acquired by the students during their graduation.

Course outcomes (COs) are direct statements that describe the essential and enduring disciplinary knowledge, abilities that students should possess and the depth of learning that is expected upon completion of a course. They are clearly specified and communicated.

While addressing the students, the HODs create awareness on POs, PSOs and COs. The faculty members, class teachers, mentors, course coordinators, program/ISO coordinators also inform the students and create awareness and emphasize the need to attain the outcomes.

Program Outcomes (POs), Program Specific Outcomes (PSOs) and course outcomes are communicated to the stake holders of the program by the following procedures.

POs and PSOs are approved by the Department Advisory Board

POs and PSOs are available in the Institute website (www.saispurthi.in).

POs and PSOs are kept in prominent locations of the campus for staff, students and public view.

POs and PSOs are displayed in Department office, Laboratories and Department library.

POs and PSOs are communicated to employers and Alumni by sending mail and during the Alumni Meeting.

During the class committee meeting and faculty meeting POs and PSOs are reviewed among the students and staff members.

The course outcomes and their mapping with program outcomes and program specific outcomes are elaborately discussed and derived by the course committee members.

Even though the COs are given by the JNTUH University along with the syllabus, if necessary, the COs are modified and reframed by the course committee members (CC).

COs are communicated to the students during the introduction class itself. COs along with lesson plan are printed and issued to the students during the first class.

During the discussion of the course, the outcomes of the course are also focused. During the commencement of each unit and after the completion of the unit, the course outcomes are reviewed.

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	View Document
Upload any additional information	View Document
Past link for Additional information	View Document

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

Response:

Each course has a defined set of course outcomes and corresponding evaluation criteria. The course outcomes are mapped to the program outcomes which are used to provide the quantitative measurement of how well the program outcomes are achieved. The performance of the students in the examinations during the semester in each course is used to compute the level of attainment of the POs and PSOs through the mapping of questions to COs and COs to POs and PSOs. CO-PO mapping for all the courses in the program is prepared by the program coordinator.

CO Attainment

Assessment methods include direct and indirect methods. The process of course outcome assessment by direct method is based on mid examinations, semester end examination and quiz. Each question in mid/semester end/assignment/quiz is tagged to the corresponding CO and the overall attainment of that CO is based on average mark set as target for final attainment.

1. **Mid Examinations** are conducted twice a semester and each of them covers the evaluation of all the relevant COs attainment.
2. **Semester End Examination** is descriptive, and a metric for assessing whether all the COs are attained.

The indirect assessment is done through the course end survey.

Rubrics

Rubrics are formulated for the assessment of Laboratory, Mini Project, Major Project, Seminar and Internship courses. The attainment of Course Outcomes of all courses with respect to set attainment levels are given under.

% of CO attainment	$\geq 70\%$	$\geq 60\% \ \&\lt; 70\%$	$\geq 50\% \ \&\lt; 60\%$
CO attainment level	3	2	1

The attainment of each CO is computed by setting the class average mark as the target. The COs of each course are mapped to POs & PSOs with weightages of 3 (Strong), 2 (Medium) and 1 (Weak).

Assessment of Course outcomes of Lab courses

The course outcomes of a practical course should satisfy at least any one or more of the defined program outcomes. These describe what students are able to demonstrate in terms of knowledge, skills, and values upon completion of the said course. Percentage of students who score more than 80% marks in each measured criterion is taken for calculating CO attainment.

Attainment of Program Outcomes and Program Specific Outcomes

All the courses which contribute to the PO are identified and these courses are evaluated through the Course Outcomes using direct (Internal (20% weightage) and External exam (80% weightage) and indirect (Course end survey) assessments. The overall results from the assessments of the PO are compared with the expected attainment. The PO is considered satisfied on attainment of the expected level.

For each course, the level of attainment of each CO is compared with the predefined targets, and if not attained, the course coordinator takes necessary steps for improvement. If the target criterion level is not reached, then faculty suggest for improvement to attain the same.

File Description	Document
Upload any additional information	View Document
Paste link for Additional information	View Document

2.6.3 Average pass percentage of Students during last five years**Response:** 75.74**2.6.3.1 Number of final year students who passed the university examination year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
107	191	244	276	323

2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
219	243	301	335	368

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View Document
Upload any additional information	View Document
Paste link for the annual report	View Document

2.7 Student Satisfaction Survey**2.7.1 Online student satisfaction survey regarding teaching learning process****Response:**

File Description	Document
Upload database of all currently enrolled students (Data Template)	View Document
Upload any additional information	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)

Response: 1.07

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0.43	0.37	0.27

File Description	Document
List of endowments / projects with details of grants	View Document
e-copies of the grant award letters for sponsored research projects / endowments	View Document
Any additional information	View Document

3.1.2 Percentage of teachers recognized as research guides (latest completed academic year)

Response: 0

3.1.2.1 Number of teachers recognized as research guides

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 15.38

3.1.3.1 Number of departments having Research projects funded by government and non-government agencies during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	1	2	1

3.1.3.2 Number of departments offering academic programmes

2020-21	2019-20	2018-19	2017-18	2016-17
6	5	5	5	5

File Description	Document
Supporting document from Funding Agency	View Document
List of research projects and funding details	View Document
Any additional information	View Document
Paste link to funding agency website	View Document

3.2 Innovation Ecosystem

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

Response:

3.2.1 Response:

The institution has a vibrant ecosystem for innovations, Entrepreneurship, Incubation and startups. The innovation ecosystem is working towards creating a culture of creation and transfer of knowledge among the students. The innovations including incubation center and Entrepreneurship. Based on the recommendations of the AAC of SSIT, the principal took initiative to establish Research & Development Cell in the year 2014 with 5 faculty members on the committee with Principal as Chairman.

The prime objectives of R&D cell is

1. To encourage the faculty and students to publish their research articles in UGC recognized Journals.
2. Encouraging faculty and students to attend National and International Conferences.
3. Scrutinize, guide student projects and suggest measures to convert them into a viable Research Project.
4. Organizing / sponsor faculty & students to attend Short Term Training Programs and workshops.
5. To suggest measures for improving existing infrastructural facilities both for academic and Sponsored research and enhancing research ambiance.
6. Facilitate submission of project reports to AICTE / UGC / DRDO/ DST to facilitate funding, fetch

grants etc.

With this moto and with the support of the existing facilities at SSIT a research Laboratory was Established. The R&D cell took lot of initiative to carry forward the R&D Activity.

Good No. of Publications UG & PG project works of the students and also two faculty members received PhD with this activity. Around 08 faculty members registered for their PhD work. Some of the faculty members are at the verge of their work. R&D cell took all initiative to encourage students & Faculty members to propose technical solutions to the problems of Environment, Agriculture and society.

With the call of the MHRD regarding the encouragement to Incubation Centers, the Research and Development cell is re-named as Research and Innovation Cell where the scope of the cell is to encourage the innovative ideas of the students.

Research & Innovation is given Top Priority by identifying this as a one of the strategic goal of the institution. The R & D Cell took initiative to conduct HACKTHON as an annual event to showcase the innate talents of the students.

Technology and Innovation: This cell is started to provide advancements in basic and applied areas of science, engineering and technology to students to become active partners in the economic development process. Technology and Innovation Cell offers support and mentor students for identification, development and commercialization of innovative ideas. This cell is responsible for the conduct of Business plan Competitions, Hackathons with active involvement of industry and alumni for better practice of innovation by students. Institute is having 12 functional MoU's were made to emphasize innovation with industry for mutual benefit and growth. The Technology and Innovation provides guidance, support and resources to the researchers, innovators and creators.

Entrepreneurship Development Cell (EDC):

Entrepreneurship Development Cell was setup in the year 2015 with the vision to develop conducive environment for students to explore new avenues through innovation and imagination and thereby develop products and services relevant to society. As a part of this initiative innovative ideas of students are converted into working products.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

3.2.2 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years

Response: 73

3.2.2.1 Total number of workshops/seminars conducted on Research Methodology, Intellectual

Property Rights (IPR) and entrepreneurship year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
6	35	13	8	11

File Description	Document
Report of the event	View Document
List of workshops/seminars during last 5 years	View Document
Any additional information	View Document

3.3 Research Publications and Awards**3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years****Response:** 0**3.3.1.1 How many Ph.Ds registered per eligible teacher within last five years**

Response: 4

3.3.1.2 Number of teachers recognized as guides during the last five years

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
Any additional information	View Document
URL to the research page on HEI website	View Document

3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years**Response:** 1.27**3.3.2.1 Number of research papers in the Journals notified on UGC website during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
24	43	15	18	7

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

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 0.14

3.3.3.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
1	3	1	4	3

File Description	Document
List books and chapters edited volumes/ books published	View Document
Any additional information	View Document

3.4 Extension Activities

3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

Sai Spurthi Institute Technology (SSIT) provides lot of importance to holistic development and societal needs by motivating students and conducted many activities focusing on social issues during last five year. SSIT has **National Service Scheme (NSS) units** with 200 dedicated student volunteers. In addition; there is a **Street Cause** wing with 150+ volunteers, **Green Campus** wing with 100+ volunteers and **Women Development Cell** with 100 volunteers. All these units work extensively on the societal issues in the neighborhood community of SSIT which NSS units sensitize towards social issues. These activities develop students into ideal citizens with high moral values and societal responsibility.

The following are list of activities organized in the neighbourhood community in last five years under each wing:

A. NSS Services:

1. Blood Donation Camps
2. Orphanage visits & Old age Homes visit
3. Lead India programs to build leaders at different levels.
4. Fire Safety & road safety Awareness campaign
5. Organizing Health Checkup camps for both students and staff.
6. Judiciary & Law and Order Awareness program.

B. Street Cause Services:

1. Distribution of blankets to the homeless
2. Sanitation was provided at the old age home for improving hygiene.
3. Donations were made for the Kerala Flood relief camps.
4. Benches Distribution to Villages
5. Corona Virus medicines distribution program
6. Plantation Program: NSS unit of the college participated in the activity and planted the trees in the college premises. ... The students also took the responsibility of awakening the citizens by telling them the importance of trees in our lives

C. Green Campus Wing:

1. Tree plantation (haritha haram) activities in the surrounding schools planning to set up a Green India Foundation to take up the *tree plantation* programme extensively.
2. Swatchta bharath activity initiated by government of India on Health, Hygiene and Cleanliness Awareness campaign in neighbourhood community.

D. Women Development Cell:

1. Teaching Yoga Meditation Programs.
2. Educating girls/women on Cleanliness and Hygiene for Women community
3. Bathukamma celebrations
4. women's day celebration to commemorate the cultural, political, and socioeconomic achievements of

women.

5. Rangoli & Mehendi Programs *aimed* to empower young adolescent girls with essential ... vocational training in various trades, like *Rangoli* making, flower making etc..

E. Department Activities:

1. Depute students and staff to the schools in neighbourhood. These teams take up activities like computer literacy, demonstration of functioning of various technical quizzes and tests to generate interest in underprivileged students about technical education.

2. FM Community Radio Service catering to the neighbourhood community on various

Societal and communal issues.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

3.4.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

Response: 8

3.4.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	8

File Description	Document
Number of awards for extension activities in last 5 year	View Document
e-copy of the award letters	View Document
Any additional information	View Document

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., during the last five years (including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration

with industry, community and NGOs)

Response: 36

3.4.3.1 Number of extension and outreach Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
1	14	8	7	6

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	View Document
Any additional information	View Document

3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years

Response: 172.2

3.4.4.1 Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
250	3581	1912	1400	1255

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document
Any additional information	View Document

3.5 Collaboration

3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year**Response:** 67**3.5.1.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
17	37	13	0	0

File Description	Document
e-copies of related Document	View Document
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	View Document
Any additional information	View Document

3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years**Response:** 12**3.5.2.1 Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
2	2	3	3	2

File Description	Document
e-Copies of the MoUs with institution/ industry/corporate houses	View Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document
Any additional information	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

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

Response:

Sai Spurthi Institute of Technology is having a sprawling campus spread over 26.12 acres land with adequate and modern infrastructure. The supporting facilities in the campus are developed to contribute for an effective ambience in curricular, co-curricular and administrative activities. The academic blocks consist of advanced infrastructure with over 26000 sqm of built-up area exclusively earmarked for instruction functioning. The college has abundant space for conducting classes and related academic activities.

The following facilities are present which augment the academic activities.

- Each department has separate classrooms (Total 25 Classrooms, 6 Tutorial Rooms, 3 Drawing Halls), HOD room, meeting room and department library. However, Department libraries is to cater to the reference needs of the faculty community.
- All the departments have well well-furnished separate cabins for the faculty members with LAN connections, in addition to the Wi-Fi facility all around the institution.
- Computer laboratories with internet connection in the departments for the benefit of the students.
- Online education / Examination support system with sufficient computers to enable students to carry out their academic activities in an efficient manner.
- Two Workshops and 30 Laboratories with advanced software, equipment as per the norms of JNTUH and AICTE. laboratory manuals are made available in all laboratories and students are given freehand under qualified and skilled lab assistants supervision to execute the laboratory experiments within the syllabi and also experiments beyond syllabi.
- In addition to the Open-Air Stage which can accommodate around 3000 gathering and two Air-conditioned seminar halls of seating capacity 200 students, provided with LCD projector and audio/video system which are used for conducting guest lectures, conferences and symposiums.
- Central Library with
 - 37838 volumes
 - Digital library with online journals, DELNET and NPTEL Lectures
 - 200 seating capacity including Digital Library
- A Research Centre is established to enable the students and faculty members to undertake research oriented Project works.
- Separate examination cell with high speed internet facility to enable online distribution of Examination Papers, Servers, Xerox machine along with adequate stationary required for the conduct of CIE and external Examinations.
- Principal Office, account section with adequate furniture and accommodation to support crowds during peak hours.
- Placement wing with an accommodation to conduct training and placement activity, Career guidance to guide the students for employment / Higher studies after the graduation.
- The institute focuses on overall development of students and hence, A sports complex to support all sports and games and also extracurricular activities is established.

- A canteen is available to provide hygienic food students and staff of the institution at subsidised prices.
- In addition, Research Laboratory, First Aid Room, NSS Room, Counselling Room etc., are provide
- Adequate budget is allotted each year to ensure that the planned infrastructure is in place before the start of the new academic year which facilitates effective teaching and learning.
- Grievance Redressal cell, Internal Committee, Anti-Ragging committee, etc., to address the various problems faced by the students during teaching-learning process

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response:

Sai Spurthi has adequate facilities for sports, games (indoor, outdoor, gymnasium etc,) and cultural activities.

College has around 26.12 acres of land out of which over 6 acres is left open for sports and games.

- **Sports and games complex** is made available to accommodate major sports activities.
- In this complex Sports Room, Carrom and Chess, TT Table, NSS Room and mini Gym are arranged along with activity centre.
- An Open Auditorium with over 3000 capacity and two Seminar Halls with over 200 capacity each are created to give opportunity to the students to exhibit their innate talents.
- In addition, major events such as ACSESS, SPURTHI, Mechriser, Vydhusya – a talent hunt programme at national level are organised in open air stage to accommodate over 2500 students.
- Students are motivated to participate and unveil their talents on special occasions. Also, the students are motivated to participate in cultural events organized during ACSESS, SPURTHI, Mechriser, Vydhusya, women empowerment, inter college competition etc., for which they are given monetary facilities. In addition, Faculty members help the students and groom them for cultural activities. Participants of the cultural activities are financially supported in the form of choreographer, dress, transportation etc.
- SSIT-NSS UNIT is very active in organising various events throughout the academic year. NSS committee headed by the Principal as chairman and a senior faculty member is identified as the Program Officer (convenor of the committee) and 5 faculty representatives of various departments as members to plan and execute the activities of the NSS UNIT.

A Student Activity Cell consisting of student representative follow-up these activities. Glimpses of activity calendar include:

- Independence Day, Republic Day, Teachers' Day, Engineers' Day, Mahatma Gandhi Jayanthi

celebrations

- Orientation / Induction Program for the I Year students
 - Freshers' Day
 - Haritaharam Program (Plantation program)
 - Prohibition of Plastic use – A Society awareness program
 - Anti-Ragging – student awareness program;
 - Vigilance Awareness week
 - ACSESS, SPURTHI, Mechriser, Vydhusya anual departmental programmes
 - Annual Sports meet
 - Road safety week
 - Anti-Drug Campaign
-
- Sports facilities for outdoor games viz., Badminton, volleyball, basketball, CRICKET and indoor games like Table-Tennis, Carom, Chess, Ludo are available
 - The college playground is being used for practicing above games by an average of 100-150 students every day.
 - Players are provided with Track suit, T- shirts at subsidised practice.
 - Those students who are selected to represent college at university level, state and national level competitions are financially supported by the college by providing them TA/ DA.
 - Winners are felicitated with mementos/ certificates.
 - Dias, Mike arrangements, Podium, Banner for felicitation during annual meet are arranged by the institution.
 - Annual budget of the college for annual sports, Games and cultural events is Rs 3 lakhs (approx.)
 - There is a provision for Refreshment and Lunch to participants and staffs for various events.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)

Response: 85.71

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 24

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

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)**Response:** 48.12**4.1.4.1 Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
119	119	93	96	107

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	View Document
Upload audited utilization statements	View Document
Upload any additional information	View Document

4.2 Library as a Learning Resource**4.2.1 Library is automated using Integrated Library Management System (ILMS)****Response:**

- The central library of Sai Spurthi Institute of Technology (SSIT) has a total area of 450 sq.m. and has special designated areas for normal use as well as for reading.
- A total of 37838 volumes, 6570 titles, print journals around 100, approximately 1200 e journals, 500 e books and approximately 100 rare books are available.
- Well-designed infrastructure with a reading capacity of 100 students is established.
- Each student gets 3 to 5 text books for 15 days period on renewal basis. SSIT provides book bank facilities to the students for each semester.
- Security of resources is ensured through a system of checking at the exit point for all resources borrowed by the users. Visitors are also required to sign noting the time of entry and exit. CCTV-learning process cameras are installed in the library for strict surveillance.
- Library Committee of the college in which there are seven faculty members of the college with Principal as chairman and Librarian as the convener of the committee. The committee focuses on expansion, purchase of new books and library reforms.
- The librarian makes all efforts to acquire useful books including rare books, reports, thesis, and other knowledge resources to enrich its collection
- Students can make use of all resources in the library like reference & text books, journals
- The collection of the rare books provides knowledge bank to the students and faculty members with the content beyond syllabi in the field of their research and academic interest.

- The library has taken up the process of digitalization of books. General library has been upgraded by the acquisition of computers, printers and photo copy machine.
- The library is computerized and efforts are on to deliver library services in an online manner.
- The students are able to borrow books for the entire length of a semester so as to help them study.
- Library provides books to students by maintaining bar coding system so that the students are benefitted throughout the academic year.
- Apart from the systems in the digital library there are 20 computers connected to broad band internet connection for recording the transactions of the library to library Management System (CLARITY 2000/SSIT Library software). The college library follows set norms of the competent authorities.
 - The Digital Library is an additional facility for the benefit of the students and faculty consisting of NPTEL Video Lectures taught by many IIT and NIT Professor, PPTs, Course
 - Material Files e-journals, e-books, GATE books, Handbooks, Projects, PDF Notes, Instructional guides, CDs etc.
 - A knowledge portal **ssitlibrarian@gmail.com** is being maintained by the librarian for the benefit of the students and staff viz., e-mail alerts about new arrivals.
 - The selection of current titles and other reading materials is proposed and suggested by subject specialists of the individual departments.
 - Library Management Software is followed with advanced query and search options for the affective management of library in-terms of accessibility, security and reference of text books, journals and other unique reports.

File Description	Document
Upload any additional information	View Document
Paste link for Additional Information	View Document

4.2.2 The institution has subscription for the following e-resources

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases
- 6.Remote access to e-resources

Response: B. Any 3 of the above

File Description	Document
Upload any additional information	View Document
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	View Document

4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)**Response:** 7.24**4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e-journals year wise during last five years (INR in Lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
4.05	6.44	8.73	9.09	7.865

File Description**Document**

Details of annual expenditure for purchase of books/e-books and journals/e-journals during the last five years (Data Template)

[View Document](#)

Audited statements of accounts

[View Document](#)

Any additional information

[View Document](#)

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the last completed academic year**Response:** 24.46**4.2.4.1 Number of teachers and students using library per day over last one year****Response:** 240**File Description****Document**

Details of library usage by teachers and students

[View Document](#)

Any additional information

[View Document](#)

4.3 IT Infrastructure**4.3.1 Institution frequently updates its IT facilities including Wi-Fi****Response:**

- The institute aims at providing the futuristic facilities to students so that they can optimum utilize the available resources.
- The institution frequently updates its IT facilities to provide the state-of-the-art infrastructure to

students.

- Around 50% classrooms have been equipped with LCD projectors and most of them are supported by audio visual systems. Mobile LCD / AV Facility are provided to where ever required.
- The entire campus is under the surveillance by CCTV cameras. This is monitored by a skilled
- Hardware engineer with an output with Principal.
- The college is facilitated with Networked computers that are accessible to the students as well as the teachers for academic purposes.
- Printers have been arranged in the offices, laboratories, exam branch, and staffrooms. A total of 16 printers are arranged in the campus for smooth functioning.
- Wi-Fi and routers are arranged in the college. Students are given limited accessibility based on their academic requirement.
- There are 20 Systems in the library for the Digital Library and library automation service usage. The facility makes the students to find the books easily.
- Complete information about the upcoming events in the institute is made available in the website so that students can have more access to information about the events.
- Information about the events including time, date, topic and other details like photographs and students PPTs are uploaded in the website / E-Notice Board.
- Institute communicates the events and other academic information to parents through website so that they can come to know about the events being conducted in the campus.
- Academic calendar and other related information is uploaded to the website and made available from the beginning of the academic year.
- The institute has well equipped exam branch. The students are informed about their progress and awarded marks are posed for their information. The progress of every student is also sent to parents through SMS / WhatsApp / Mail. HODs are given access to E-Results software for effective counselling of the students.
- All the laboratories in the institution have been updated at regular intervals with annual general maintenance and emergency maintenance based on need to support students' learning process more flexible and effective.
- The computer laboratories are upgraded periodically with required accessories.
- As per the syllabus updating, the required software is installed. As per the guidance of AICTE effective use of open source software is encouraged.
- However where ever necessary, Licenced software is made available as per the recommendations of the university BOS.
- The internet bandwidth connectivity is upgraded based on the requirement to provide the quality internet connectivity.
- Wi-Fi Access Points are provided for the entire campus and it is maintained by two expert Hardware Engineers. Anti-virus software is installed to ensure better security and performance.
- A dedicated team with in-house staff is formed to take care of IT and related needs of the campus
 - Software Development,
 - Hardware and Networking maintenance,
 - Website designing and hosting
 - SMS solutions

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.3.2 Student - Computer ratio (Data for the latest completed academic year)

Response: 2:1

File Description	Document
Upload any additional information	View Document
Student – computer ratio	View Document

4.3.3 Bandwidth of internet connection in the Institution

Response: A. 750 MBPS

File Description	Document
Upload any additional Information	View Document
Details of available bandwidth of internet connection in the Institution	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)

Response: 48.12

4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
119	119	93	96	107

File Description	Document
Upload any additional information	View Document
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View Document
Audited statements of accounts	View Document

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

Response:

The college ensures optimal allocation and utilization of the available financial resources for maintenance and upkeep of different facilities by holding regular meetings of various committees constituted for this purpose and using the grants received the college as per the requirements in the interest of students.

- Record of maintenance account is maintained by lab technicians, Lab In charge and supervised by HODs of the concerned departments.

Maintenance of laboratories are as follows:-

The calibration, repairing and maintenance of sophisticated lab equipment's are done by the technicians of related owner enterprises.

Library:

1. The requirement and list of books is taken from the concerned departments and HOD's are involved in the process. The finalized list of required books is duly approved and signed by the Principal.
2. Suggestion box is installed inside the reading room to take users feedback. Their continuous feedback helps a lot in introducing new ideas regarding library enrichment.
3. To ensure return of books, 'no dues' from the library is mandatory for students before appearing in exam.
4. Other issues such as weeding out of old titles, schedule of issue/ return of books etc. are chalked out / resolved by the library committee.
5. Clarity 2000/SSIT Library software is used in Library.

Sports: Regarding the maintenance of sports equipment the college sports in charge is deputed. During the session 2018-19 college participated in Cricket, Kabaddi inter-collegiate championship.

Computers: -

1. Centralized computer laboratory established to enrich the students.
2. ERP software is used for maintaining faculty and students details.
3. Each Department having appropriate computer for their requirements.
4. Internet and WIFI Enabled campus.
5. Open access journals facilities are available.

Classrooms: -

1. The college has various committees for maintenance and upkeep of infrastructure. At the departmental level, HODs submit their requirements to the Principal regarding classroom furniture and other.
2. Administrative officers will take in charge for student's academic requirements.

Additionally:

1. There is a lab instructor in every department, who maintains the stock register by physically verifying the items round the year.
2. Department wise annual stock verification is done by concerned Head of the Department.
3. Regular maintenance of Computer Laboratory equipment's are done by Laboratory Assistant along with Laboratory attendant and they are headed by the faculty incharge.
4. Regular cleaning of water tanks, proper garbage disposal, pest control, landscaping and maintenance of lawns is done by Institute concern Employees.
5. College campus maintenance is monitored through regular inspection.
6. Upkeep all facilities and cleanliness of environment in men's and women's hostel is maintained through Hostel monitoring committee.
7. Outsourcing is done for maintenance and repairing of IT infrastructure such as computers, internet facilities including Wi-Fi and broadband.
8. Updating of software's is done by lab assistants.
9. Outsourcing is done for the maintenance of wooden, furniture, electrification, and plumbing.

10. Regular maintenance of the water cooler and water purifier is done regularly. The maintenance of the reading room and stock verification of library books is done regularly by library staff.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

NAAC

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

Response: 68.32

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
557	604	693	737	829

File Description

Document

upload self attested letter with the list of students sanctioned scholarship

[View Document](#)

Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)

[View Document](#)

5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response: 60.51

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution / non- government agencies year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
416	516	678	643	790

File Description

Document

Upload any additional information

[View Document](#)

Number of students benefited by scholarships and freeships institution / non- government agencies in last 5 years (Date Template)

[View Document](#)

5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

Response: A. All of the above

File Description	Document
Details of capability building and skills enhancement initiatives (Data Template)	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

Response: 7.39

5.1.4.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
24	97	86	109	49

File Description	Document
Number of students benefitted by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

1. Implementation of guidelines of statutory/regulatory bodies
2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

Response: A. All of the above

File Description	Document
Upload any additional information	View Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 45.54

5.2.1.1 Number of outgoing students placed year - wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
117	190	167	86	55

File Description	Document
Upload any additional information	View Document
Self attested list of students placed	View Document
Details of student placement during the last five years (Data Template)	View Document

5.2.2 Average percentage of students progressing to higher education during the last five years

Response: 11.87

5.2.2.1 Number of outgoing student progression to higher education during last five years

Response: 26

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education (Data Template)	View Document
Any additional information	View Document

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 73.33

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
15	8	8	2	1

5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
15	12	8	4	2

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template)	View Document
Any additional information	View Document

5.3 Student Participation and Activities

5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be

counted as one) during the last five years.

Response: 12

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
0	4	0	4	4

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year	View Document
e-copies of award letters and certificates	View Document
Any additional information	View Document

5.3.2 Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)

Response:

Along with the academic activities, the college also gives importance to sports and cultural activities. The college encourages students to participate in sports meet and other cultural activities. The college has a basketball ground, cricket ground with pavilion and tennis court and a special state of art Gym. Students are encouraged to participate in inter- college /university /zonal /state /national level games and sports meet. The financial assistance such as travel allowance is given to participants. Performance in extra-curricular activities is one of the parameters to identify and select the best outgoing student. Moreover, in order to make sure that every student participates in daily games and sports activities, a special period is incorporated in the regular academic time table itself and the institution identifies the advanced learners by their Performance in the class room, Performance in the mid and end semester examinations, Participation in department activities like group discussions, seminar; presentations, quiz programs, interdisciplinary projects etc. and Participation in Co-curricular and extracurricular activities. HOD gathers information from students, parents & faculties with regards to the teaching quality, extracurricular activities and infrastructural facilities etc. After thorough discussion and deliberation the existing systems and activities of the College are reviewed and decisions regarding the implementation of new policies are taken. Experts from Industry give feedback on desirable traits from students during their campus placement drive. The following policies are implementing for the students to enhance participation in sports and extracurricular activities.

1. Additional academic support, make up classes are arranged for the students participating in various technical competitions
2. Special dietary requirements, sports uniform and materials
3. Provision of sports week in academic calendar to conduct annual sports.
4. Provision of sports kits (Uniforms and other materials) to students through department/institute annual budget.
5. Travel allowance is provided by the institute to participant in zonal/state/national sports meet.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

5.3.3 Average number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 422.2

5.3.3.1 Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
410	708	328	359	306

File Description	Document
Upload any additional information	View Document
Report of the event	View Document
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	View Document

5.4 Alumni Engagement

5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

Sai Spurthi Institute of Technology has Strong Alumni Network. The alumni support the institution and

contribute to its institutional and academic development. The college conducts Alumni meet every year at college campus, to bring together all the old students to share their experiences with faculty. The alumni participate actively and give valuable suggestions for framing innovative ideas to include latest technologies, which meet industry requirements. Sai Spurthi Institute of Technology alumni association meets periodically to discuss the plan of activities during an academic year. The alumni regularly visit the campus during weekends and participate in knowledge sharing activities which would help current students to decide upon career either to opt for Higher Education or to seek placement in industry. Such talks by alumni to current students is gathering pace and helping the students to identify their career path. They also actively involve with training and placement cell in training students so that they become employable. They also assist students in getting Internships in Industry. The alumni also contribute to the general development of the Institution and raise the scholarship funds to help the needy and deserving students. They also help in arranging NSS extension activities such as Blood Donation camps, practical sessions on Meditation and Tree Plantation. This alumni platform is also integrated with social media platform which allows the institution to manage all social media channels via a single point. College invites the alumni for all activities such as Orientation Day Program, Cultural Day Program, Sports Events, NSS Activities etc., The alumni contribute to the institution to orient the students on Personality Development, Current Opportunities, Stress Management, Career Management, Time Management, Emotional Awareness etc., Special talks also arranged on Higher Education Topics, Current Events, Industrial revolutions and technological changes. Alumni also help us to conduct Industrial Institution Summit to discuss on latest technologies, opportunities and innovations.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

5.4.2 Alumni contribution during the last five years (INR in lakhs)

Response: B. 4 Lakhs - 5 Lakhs

File Description	Document
Upload any additional information	View Document
Link for any additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of and in tune with the vision and mission of the institution

Response:

- **Vision:**

To become a model institution for higher learning; to serve as a valuable resource for industry and society; and to remain a source of inspiration to rural youth.

- **Mission:**

To awaken the students to the reality of identifying and exploring their true potential through meticulous and systematic grooming to gain the spirit, inventiveness and build a career full of glorious prospects.

- **Leadership functions of the Head of the Institution**

To provide directions and perspective plans for the growth of the institution

- *To ensure end results by periodical monitoring.*
- *Coordinates all the policy matters in consultation with the college team and present it to the Board for final approval.*
- *To motivate faculty for pursuing the research.*
- *To counsel students regularly and motivate them for conceptual learning.*

Measures are taken by the institution to translate quality to the functioning of its various administrative and academic units

All units function as per the guidelines of AICTE / JNTUH. Computerization is introduced in academic section, student section, scholarship section, library and examination section so as to ensure accuracy. Internal audit is being performed to retain the quality/standards in the implementation of various

activities. The academic regulations, exam procedures, teaching and learning mechanisms, are meant for developing and enhancing the quality of academics and Research. Sustaining quality and development activity is the top priority while providing a pleasant and healthy atmosphere in pursuing academic excellence.

Majority of the faculty members are constantly involved in pursuing their Research activities in their areas of specialization. As a result of this their Research findings are published in journals of National and International repute.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response:

All the departments of the college function under the direct supervision of Principal. Day-to-day academic activities of the departments are taken care of by the HoDs. Examination related activities are handled by examination branch in charge.

Under direct supervision of Principal, Administrative office, examination section, central library and all the departments will be functioning. Time to time Principal conducts meeting with the concerned incharges / HoDs and at department / unit level, Heads / Concerned Incharges will conduct the meeting with the concerned members to discuss various issues and resolutions made will be passed on to Principal for further action. Similarly, the outcomes of Principal meeting will be passed on to individual faculty / staff for implementation.

The following committees are in existence to decentralize the academic and administrative activities.

- IQAC
- Finance Committee
- Disciplinary and Anti-Ragging Committee
- Grievance and Redressal Committee
- Examination Committee
- Purchasing Committee
- R&D Committee

- *Entrepreneurship Committee*
- *Skill Development Committee*
- *Training and Placement Committee*
- *Library Committee*
- *NSS Committee*
- *Sports committee*

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

Present Position: The College was started in the year 2001. At present the college is offering 04 UG and 01 PG courses. The college is accredited by NAAC with 'B' grade. Right from the inception, the college has functioned with good quality policy. However, a formalization of IQAC is done in the A.Y 2012-13 and since then this IQAC is functioning with focus to develop, drive, deploy and review the quality policy. The present IQAC takes into account the vision & mission and several other aspects of the institution and formulates processes to ensure quality outcome. The IQAC works closely with the management and the

Principal to drive and implement the processes across the institution. The cell meets once in three months to review the progress of implementation and accordingly makes policy decisions where ever necessary.

The prominent resources that the institution currently has are

- *Well qualified and experienced faculty members*
- *State-of-the art Central Library*
- *Good infrastructure facilities with full-fledged laboratories and computer centres in every*

department

- *Advanced Research Centres*

Perspective Plan for the development of college:

- *Standardizing the ICT based teaching-learning processes*
- *Strengthen industry-institute interaction*
- *Improve the campus placements*

File Description	Document
Upload any additional information	View Document
strategic Plan and deployment documents on the website	View Document
Paste link for additional information	View Document

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

Response:

The gentry' decision making body of the college is governing body, and it is developed by the Principal under the guidance of Governing Council and heads of various departments. Based on the academic schedule given by the affiliating university, academic calendar is prepared by the Planning Committee. The Academic calendar includes the list of pre-planned programmes of various departments and exam schedules prepared with the knowledge of HoD's. he governing boy of he cege s he fnal deson kng auho.

Principal:

1. Give instructions to HOD's, all the staff Members of Various departments to Advise regarding the plan of action and the targets and better results for each semester.
2. Consolidates the inputs from HOD's, all the staff Members of Various departments regarding various aspects for making necessary changes in the plan of action.
3. Reports the achievements and collective progress of the college to the governing body and the Chairman on a regular basis.

HODs:

1. Monitoring and Maintain a department level of status about student and faculty

b. Subject and lab allotment to all faculties.

c. Authorized signatory for approval letters.

Examination In-Charge:

- 1.Ensures the Preparing of mid question papers and Question bank in-time as per laid quality standards.
- 2.Make sure that the college infrastructure is always ready to host internal and external examinations.

Training and Placement (T&P) Officer:

- a. Organizing on campus drives for all final year students.
- b. Scheduling campus recruitment training classes for final and pre-final year
- c. Updating college database with list of eligible students.
- d. Approaching recruiters and signing MOU's placement and internship opportunities.

IQAC:

- 1.Encourages for periodic assessment and accreditation of specific academic programmes and projects.
- 2.Monitor the academic environment for promotion of quality of teaching-learning process.
3. Encourages research and development activities among faculty members.

Central Library:

- 1.Maintenance of E-books, magazines, National and international journals pertaining to all departments.
- 2.Updating IEEE magazines in digital library with contemporary knowledge sources.

Physical Director:

- a. Supervising and monitoring the sports activities within and outside the campus.
- b. Advice to students maintains proper dress code, discipline and punctuality among students.

Anti-ragging Committee:

- The cell meets often to discuss the steps to be taken further to prevent ragging in the campus.
- Awareness programs are conducted to the students in association with Local Police and Legal advisors about ragging act, punishments and consequences.

Women empowerment Committee:

- The committee should encourage and motivate female students.
- Committee Members should take initiative in conducting seminars to motivate female students.

Service rules of the organization:

The institution has well-defined service rules that are widely recognized and appreciated by all the staff.

- Structure of pay scales for teaching faculty
- Support for Higher Education:
- Providing Registration fee and TA for International / National level conferences

File Description	Document
Upload any additional information	View Document
Link to Organogram of the Institution webpage	View Document
Paste link for additional information	View Document

6.2.3 Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Response: A. All of the above

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

6.3 Faculty Empowerment Strategies

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

Response:

Health Center:

The Institution has its own Health Center to provide necessary medical aid to all the students, teaching and non teaching staff in the campus. Medical leaves are provided for teaching and non teaching staff.

Co-operative Stores and Canteen:

College co-operative stores are provided for all staff and students within the campus.

Canteen is available in the campus to cater the needs of the residents of the Institute at subsidized rates.

Other Welfare measures for Teaching and non-teaching Staff:

- Option to join Group Insurance
- Advance payment against the salary
- Assistance to avail loan

- Participation in the training programmes
- Medical Health Insurance

Staff Quarters

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 15.85

6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
22	8	14	6	12

File Description	Document
Upload any additional information	View Document
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 1.8

6.3.3.1 Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
0	4	3	1	1

File Description	Document
Upload any additional information	View Document
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	View Document

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 207.01

6.3.4.1 Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
44	685	14	6	7

File Description	Document
Upload any additional information	View Document
IQAC report summary	View Document
Details of teachers attending professional development programmes during the last five years	View Document

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

Response:

The college can serve the society its best only when the staff is good and healthy in all directions like empowering and enriching the knowledge and improving the qualifications and doing research work. So the college encourages the faculty for developing the knowledge and makes the faculty to attend faculty develop programs, workshops, to publish papers in journals etc., There by the faculty can make the students to learn not only in the subjects but also the latest technologies as changing day by day. The college gives importance to the performance of teaching and non- teaching staff performance appraisal. The management observes and monitors all the faculty members about their behavior , attitude, performance and working capability always. The management asks to submit a faculty self-appraisal form in that the faculty has to fill the data regarding contribution in teaching, assignments handled, academic contribution and research contributions. In the same form HOD and Principal has to fill the HOD report of the faculty considering behavior with superiors, colleagues, students, and their subjects taught result also.

The performance of the faculty members is being measured with following

Parameters:

Students' Feedback

University Results

Self-Appraisal

HOD Remarks

Principal's Remarks

The process of performance appraisal is:

1. Faculty member has to fill the self-appraisal form.
2. The HOD makes his comments.

3. The Principal and HOD consider the best performing faculty member for additional increments and counsel the teacher having poor feedback.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The financial management is headed by the college management and will be monitored continuously.

The financial administration uses tally software and EZSchool software and enters details of both the debits and credits.

The head of the institution will frame a internal audit committee and the internal audit committee audits for every three months. The internal audit committee consists of members a senior faculty member from MBA department and other members office Accounts Officer and Jr Accounts officer.

All the account statements, bills, approval letters are maintained separately for each month. During the internal audit if errors are found then the internal audit team will be analyzed and fixes instantly. During auditing if any doubts or concerns are raised they are recorded immediately and gets clarifications during the auditing period.

The External auditing will be done twice a year around for six months every time. The External audit team consists of three members of Chartered Accountants. They will audit all the accountants and verify them if any small/ minor errors are found then the audit team will be corrected and rectifies immediately. Also preventive precautionary procedure initiations and steps will be taken to prevent such kind of minor issues and minor adjustments.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropers during the last five years (not covered in Criterion III)

Response: 0

6.4.2.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	View Document

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

Response:

The availability of fund is essential for any organization, society, family or co – operatives but the movability of fund is even more important. If the moviability is in the right direction, coordinated then the level of progress in high otherwise it becomes ineffective even though the fund is available. Therefore the movability of fund is important for the development of organization.

*The Institution has well set mechanism to monitor efficiently the available resources. The college obtains proposals from the concerned departments in an academic year which is run by three different heads of accounts i.e., **capital budget, developmental budget and maintenance budget**. After estimating the projected income for an academic year, the Principal sends it for approval to the Governing body. Once it is approved by the governing body, the principal himself is allocated with some contingency fund and also allocates budget to each department. After the allocation, the departments can avail the financial resources within the given limit. Purchases are made with the recommendations of duly constituted purchase committee. The amounts withdrawn from the banks follow a systematic mechanism of obtaining the approval at various levels. If any expenditure is made beyond budget sanctioned, it gets ratified in a special meeting.*

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5 Internal Quality Assurance System

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

Response:

On 19.07.2012 the Internal Quality Assurance Cell (IQAC) is established with a vision to streamline the quality initiatives of the institution. IQAC, Academic Advisory Committee (AAC) used to review the quality initiatives of the institution. Since post Accreditation by NAAC, several quality initiatives were implemented.

IQAC in its inaugural meeting decided to review all the quality initiatives. The focus area of the IQAC is

- to realise Mission and Vision of the institution
- Defining the Pos
- Institutionalizing the quality policies
- Documenting the quality assuring strategies
- Continuous improvement in the strategies after thoroughly assessing the attainment.
- Redefining the new goals and observing the attainment level.

IQAC was constituted with the following goals

- Communication of information on the various quality parameters of higher education
- Development of quality benchmarks for the various academic and administrative activities of the institution.
- Documentation of the various activities leading to quality improvement.
- Obtaining, analyzing and action taken on feedback responses from students, parents, and alumni on quality-related institutional processes

Various key areas for regular monitoring and documentation by IQAC are

- Curriculum analysis and Bridging the gaps
 - IQAC standardized the existing institutional practice to write the lesson plan and continuously monitoring the schedules
 - Asses the gaps in the curriculum and suggesting necessary add-on / certificate / value added courses
 - Organization of lectures by prominent speakers in different areas
 - Organization of Annual lectures by each department every year
 - Organization of Remedial classes and Student counseling sessions
- Research and innovation initiatives
 - Participation in Innovation and Research funded Projects
 - Consultation with various organizations
 - Collaboration with Industry and placement meet
 - Membership of Board of Studies of eminent Institutes
- Extension activities for the community development
 - Imparting patriotism in student community
 - Initiating green practices in institution administration
 - Inducing environment consciousness
 - Optimum utilization and conservation of natural resources
- Effective involvement of Alumni

- Improved Feedback collection mechanism by a centralized committee from all stakeholders.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives)

Response:

- **Review of teaching learning process:**

IQAC committee members consisting of Principal, Directors and Heads of the Departments, Professors and Subject experts collaboration within the college to continuously review the teaching learning process.

Based on the recommendations made by the above body of individuals, specific measures taken are as follows:

- Class room sessions are made more interactive involving group discussions, paper presentations, seminars and workshops..etc.
- Teaching is made conceptual knowledge oriented to create an friendly environment in the classroom.
- Tutorial and laboratory hours are increased.
- A separate supervision on students of those who had low improvement in their academic aspect.
- Number of E-class room sessions is increased to develop the learning through visual perception concept.

- **Methodologies of Operation and Learning Outcomes:**

Subjects are allocated to the faculty based on their specialization by the HOD.

Prior of the semester, the following must be submitted to the HOD by the concern faculty member:

- Lecture notes of all units of the allotted subject.
- Course File
- Lecture plan/lesson plan

- PPTs & video lectures if any.
 - Two sets of internal exam papers for class assessment
 - Assignment questions
 - Weekly test questions
 - Model Question papers
 - Tutorial class work schedule
- The college collects students feedback on teaching-learning process for all courses every semester.
 - Regular students and faculty-mentor meetings are organized. In these meetings informal feedback on teaching-learning process is received. Both these feedbacks are reviewed by the central body and suggestions for improvement are conveyed to the concerned faculty members, if required.
 - The central body also reviews the performance of students in the Mid-SEM and End-SEM examinations. If required, the committee members recommend the conduction of additional lectures and laboratory practice sessions.

Thus, the institution reviews its teaching learning process, methodologies of operations and learning outcomes at periodic intervals through IQAC.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5.3 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements
2. Collaborative quality initiatives with other institution(s)
3. Participation in NIRF
4. any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

Response: B. 3 of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Upload details of Quality assurance initiatives of the institution	View Document
Upload any additional information	View Document
Paste web link of Annual reports of Institution	View Document

NAAC

Criterion 7 - 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 last five years.

Response:

Institution shows gender sensitivity in providing facilities such as:

a) Safety and Security b) Counseling c) Common Rooms

When it comes to gender sensitivity our Institution is on par excellent by providing all the facilities to Girl students.

Our Women Empowerment Cell takes care of Girl students through effective counseling mechanism and organizing various programs for their overall development during their stay in the campus. Our Management has taken a policy decision of providing safe & secure Hostels with a subsidy that amounts to Rs. 2000/- per month for encouraging Girl students.

a) As far as safety and security of women is concerned our Institution takes acute care of this. In the girls hostel, with lady security in the college. We have a women empowerment cell in the college, which absolutely works for the development of the morale of the girls of the college. Many literary, cultural, and traditional programs are carried out by Women Empowerment Cell in the college. Special Sports & Games exclusively for girls are conducted in the college every year.

Any case of eve-teasing or ragging towards girls is strictly prohibited in the college.

b) At SSIT our proactive Management established a dedicated C&PD Cell in 2012 realizing the importance of Counselling in Educational Institutes. Our Mentoring system has been appreciated by NAAC PEER TEAM during I cycle with full marks.

c) There are special wash rooms and rest rooms for girls on all the floors of our college. These rooms are provided with basic amenities for girls, like seating arrangement, a mirror and facilities for their personal care. We do have special “rooms for sick”, in case any emergencies occur to any girl child first aid will be provided under the guidance of a trained Nurse. In case of requirement of shifting a child to hospital, college has availability of a vehicle and a Driver, round the clock to shift the students to the hospital in case of emergency.

Sensitive areas like Bike stands, Canteen, Stores are identified and special security is provided by allotting special teams of anti-ragging members and security guards.

File Description	Document
Link for specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	View Document
Link for annual gender sensitization action plan	View Document

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

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

Response: B. 3 of the above

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

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

Response:

SOLID WASTE MANAGEMENT: our institution adopted various waste management methods for the green practices.

- Vermi Compost is prepared within the campus by using waste leaves from trees and solid waste from the institution and it is recycled and used for trees as a compost.
- Sugar cane cake is used as fertilizer for plants and trees . It is imported from nearest sugar cane factory in the quantity of 100 ton per year from 2017 to upto now, and is yielding excellent results.
- The used papers and notebooks are collected every semester and recycled.

- Usage of plastic cups, plates and cutlery are banned in the campus as a green initiative.
- Organic waste is composted and used for manure. Every year 1 ton fertilizer is produced from the solid wastage.

LIQUID WASTE MANAGEMENT: Liquid wastage from the campus is recycled for the plants and trees as a water source especially in summer.

- A 50000 liters capacity sump is constructed in the campus and it is equipped with 10HP motor. All the waste water pipe lines from staff quarters, campus, girls and boys hostel are connected to sump at the same time another set of pipelines are arranged to feed water for plants.

E- WASTE MANAGEMENT:

- The collected E-waste material across all departments is disposed for recycling through authorized vendors.
- All Computers, batteries and electronic machinery is purchased under Buy-Back agreement.
- All CRT monitors are replaced by the LCD monitors.
- The lighting in the Academic, Administrative and Hostel areas is through LED bulbs.
- Solar plant of 100 KWp is installed on the roof top of SSIT and is connected to Grid.

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

7.1.4 Water conservation facilities available in the Institution:

- 1. Rain water harvesting**
- 2. Borewell /Open well recharge**
- 3. Construction of tanks and bunds**
- 4. Waste water recycling**
- 5. Maintenance of water bodies and distribution system in the campus**

Response: A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	View Document
Any other relevant information	View Document
Link for any other relevant information	View Document

7.1.5 Green campus initiatives include:

- 1. Restricted entry of automobiles**
- 2. Use of Bicycles/ Battery powered vehicles**
- 3. Pedestrian Friendly pathways**
- 4. Ban on use of Plastic**
- 5. Landscaping with trees and plants**

Response: Any 4 or All of the above

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

7.1.6 Quality audits on environment and energy regularly undertaken by the Institution and any awards received for such green campus initiatives:

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

Response: B. 3 of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	View Document
Certification by the auditing agency	View Document

7.1.7 The Institution has disabled-friendly, barrier free environment

- 1. Built environment with ramps/lifts for easy access to classrooms.**
- 2. Disabled-friendly washrooms**
- 3. Signage including tactile path, lights, display boards and signposts**
- 4. Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment**
- 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

Response: C. 2 of the above

File Description	Document
Policy documents and information brochures on the support to be provided	View Document
Geotagged photographs / videos of the facilities	View Document
Link for any other relevant information	View Document

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

In India people of different languages and cultures live together with peace and harmony. India is worldwide known for its cultural diversity and colourful festivals. The National festivals Independence Day and the Republic Day have a distinctive quality which sets them apart from other festivals.

Following table shows the list of various activities organized on national festival days and on great Indian leaders birth anniversaries

1	Indian Republic day on 26th January
2	Indian Independence day on 15th August
3	Sir Sarvepally Radhakrishnan Birth Anniversary on 5th September - Teachers day
4	Sir Mokshagundam Visvesvaraya birth Anniversary on 15th September - Engineers day

SSIT is always at the forefront of inviting diversity, and enhance self-esteem among the students. C&PD Cell and Women Empowerment Cell aims at social protection, ensuring tolerance and harmony, empowering women and building human capital. Women Empowerment Cell, ELITE Club and Departmental committees organizes various programs as a contribution towards overall development of students.

File Description	Document
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View Document

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations:

values, rights, duties and responsibilities of citizens (within 500 words).

Response:

SSIT sensitizes the staff members & students to the Constitutional obligations about Values, Rights, Duties and Responsibilities of Citizens and organizes activities that strengthen our constitutional values and develop an attitude of responsibility toward our Nation.

We have mandatory courses like Human Values and Professional Ethics, Constitution of India, 3 weeks Orientation program to inculcate Constitutional obligations among the students.

Programmes instilling citizens' responsibilities

- NSS wing of SSIT fosters community responsibility by organizing blood donation camps routinely. In every camp, around 50 volunteers donate blood.
- Sai Spurthi students actively participate in “Sai Spurthi Student Seva Samithi” activities in helping the poor people of nearby villages.
- SSIT renders national service by organizing Legal awareness, Road-safety awareness programmes routinely.
- To promote a sustainable environment, Swachh Bharat campaigns and Tree Plantation drives are organized. As part of the campaigns, environmentally safe practices such as plastic ban, water conservation, waste segregation, cleanliness and anti-pollution campaigns are implemented.
- The college enshrines the sovereign and democratic values of our nation by commemorating the Independence Day and the Republic Day annually.
- International Women’s Day is celebrated on 8th March. On this occasion, various competitions are organized in the college to celebrate women-power. The Women’s Development Cell addresses issues related to gender disparity and promote gender equity in our society.

File Description	Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	View Document

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

- 1. The Code of Conduct is displayed on the website**
- 2. There is a committee to monitor adherence to the Code of Conduct**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

Response: B. 3 of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting number of programmes organized reports on the various programs etc in support of the claims	View Document
Code of ethics policy document	View Document
Any other relevant information	View Document

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

SAI SPURTHI celebrates National and International commemorative days to inculcate constitutional responsibilities, to instill patriotic spirit and to foster unity among staff members and students.

- **Independence Day** and **Republic Day** are celebrated in the college every year by hoisting the Indian flag.
- **ENGINEERS DAY** celebrated every year on **15th September** to inspire the future Engineers, in loving memory of Sir Mokshagundam Visvesvarayya, recipient of the prestigious Bharat Ratna award.
- **TEACHERS DAY** celebrated every year on **5th September** to mark the birth anniversary of second President of India, Dr. Sarvepalli Radhakrishnan. Students take a proactive role in honoring their Teachers on the occasion.
- International Women's Day is celebrated on 8th March. On this occasion, various competitions are organized in the college to celebrate women-power. The Women's Development Cell addresses issues related to gender disparity and promote gender equity in our society.
- The college actively participates in the Swachh Bharat Abhiyaan by ensuring proper sanitation facilities, dustbins on the campus, and hygiene in the toilets.

File Description	Document
Link for Annual report of the celebrations and commemorative events for the last five years	View Document
Link for Geotagged photographs of some of the events	View Document

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format

provided in the Manual.

Response:

BEST PRACTICE-1

1. Title of the Practice:

Promotion of Renewable Sources of energy by installing 100 KW Solar Power Plant to minimize dependence on conventional sources of energy and “Energy Conservation” efforts by SSIT to attract the attention of Staff, Students and Society as a whole towards “Sustainable Development”.

2. Goal:

As a contribution to the Nation and the Environment as whole, SSIT is utilizing renewable sources of energy and energy efficient systems and devices..

Objectives of the Practice:

- To utilize the renewable Solar power for Institutional needs.
- To impart practical knowledge among students.
 - To provide a platform for research in the field of solar power.
- To become a role model among the public in green initiatives.

3. The Context:

Solar energy is a renewable source of energy as it can be used to produce electricity as long as the Sun exists. Sunshine occurs naturally. This makes it an attractive alternative, to go completely green in the future. It is a preferred source of power because:

1. Easy installation
2. Requires little maintenance
3. Can be used in remote locations
4. Helps in minimizing electricity bills

4. The Practice:

SSIT installed a 100 KW Solar Power Plant on roof top of main building. And it contributes about 36% of total energy needs.

A major policy decision taken for gradually replacing conventional bulbs and fans with LED bulbs and Super fans started yielding results in a smaller way.

5. Evidence of Success:

In the year of 2020, 138991 Kwh power was generated from our 100KW solar power plant, and it constitutes 45% of our total energy requirement.

As a small step toward “Energy Conservation”, SSIT started replacing conventional bulbs and fans with LED bulbs and Super fans for drastically reducing the energy consumption, even though initial cost is high, as it creates a +ve impact on thought process of students community.

6. Problems encountered and Resources Required:

Daily cleaning of panels is necessary to improve the efficiency of power generation. Man power is required for daily maintenance.

Utilization of solar power plant facility for Research purpose is yet to be materialised.

BEST PRACTICE II

1. Title of the Practice:

Promotion of our Honourable President late Dr. A.P.J. Abdul Kalam’s dream project “Lead India 2020” in association with our parent organization Hetero Drugs Ltd., as an Institution’s Social Responsibility.

2. Goal:

To strengthen the value system in the student community at the early stages of School & College level to mould them into enlightened personalities.

3. The Context:

“Aap Badho Desh Ko Badhao” program, an initiation of Lead India 2020 foundation for mass transformation has been implemented by our SSIT to cover entire youth of Khammam District since 2 years, with the help of our parent organization Hetro Drugs Ltd.

4. The Practice:

SSIT’s goal is to empower rural youth of Khammam District to channelize their energies in Nation building. And in this regard, it has joined hands with Lead India foundation with the help of financial assistance from Hetero Drugs Ltd. Thousands of students from various Schools & Colleges have been benefited by this project, and we are proud to be a part of this prestigious rural youth empowerment program. And the activities covered under this training program include - Ignition of Scientific Temper, Physical, Mental, Career, Social, National, and Spiritual Development, Human Values for Human excellence etc.

5. Evidence of Success:

We believe that hard work almost always results in success, sooner or later. This belief has been proven right by the results we have achieved over the last few years.

6. Problems Encountered and Resources Required:

Lead India 2020 has created a very strong impact on the society as a whole, even though some section of society might not have been participated as resistance is inevitable for any change program. A lot has to be done, and SSIT is committed for this “Aap Badho Desh Ko Badhao” one of the largest social change program in history.

File Description	Document
Link for Best practices in the Institutional web site	View Document
Link for any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

The motive for establishing Sai Spurth Institute of Technology (SSIT) by **Dr. Partha Sarathi Reddy**, Chairman, Hetero Drugs Ltd. was to provide quality education of global standards as a gesture ‘**to give back to the society**’ that nurtured him. The institution, run on ‘**not for profit**’ basis and in a short span of time, SSIT has grown to take place among the finest institutions in Telangana and is blending the best traditions with vibrant energy and diversity. NAAC had accredited the Institution in 2013 for five years with B Grade.

Progress of the Institution

SSIT has established itself as a much sought after Institution for aspiring students and their parents.

The major objective of our Trust is to provide educational facilities to the students with rural background and the management is providing financial help to the meritorious students. The Institution distributes scholarships valued more than Rs.30 lakhs every year under different categories.

The Institution inculcates social consciousness among its students through active forums such as Sai Spurthi Student Seva Samithi, Lead India 2020 and NSS.

“Lead India 2020” was a social project undertaken by SSIT in various Schools and Colleges of Khammam District in association with Hetero Drugs Ltd., Hyderabad.

The major strength of the institute is its ability to ensure holistic development of students to make them educated and employable, Industry ready and enlightened citizens.

It is a regular practice of the institution to invite expert resource persons to conduct workshops on the development of communication competence among the students. Students are also allotted different responsibilities in organizing events and activities such as cultural programs, competitions, seminars,

workshops etc. in this way they improve their team building and organizational skills.

The college has all the necessary facilities with experienced and well qualified faculty members to develop the young minds with high academic ambience. The college also has adequate space and amenities to conduct competitive exams like GATE and organize National level competitions.

The college is committed to promote sports activities towards the all-round growth of its students. The institution also hosts JNTUH zonal tournaments in the campus. A serene green campus sets an ambience for peaceful learning.

The institute has developed a system for students support and progression that fosters innovation, self-development and active learning. A dedicated C&PD (Counseling & Personality Development) Cell is established in 2012, and faculty of the institute through mentoring mechanism play a pivotal role in the overall personality development of the students.

The policies, administrative structure and practices that have been enabled by the top management of the Institute has resulted in the Institute earning a place as one of the top engineering colleges in Khammam District of Telangana state.

Following are some of the initiatives from Sai Spurthi in an attempt towards achieving Academic Excellence:

- **WOMEN EMPOWERMENT:** Our Management has taken a policy decision of providing safe & secure Hostels with a subsidy of Rs. 2000/- per month to encourage Girl students. During their stay in the campus our Women Empowerment Cell takes care of Girl students through effective counseling mechanism and organizing various programs for their overall development, and also addresses various issues to ensure a safe & secure feeling, like a home away from home. .
- **MERIT SCHOLARSHIPS:** to encourage rural young talent towards Engineering education.
- **LEAD INDIA 2020:** A 3 year long mega project was undertaken by SSIT with financial support by our Honorable Chairman from Hetero Drugs in attitude building of rural young children from the entire Khammam District.
- **MOU WITH CODE TANTRA (a Tech-Startup company):** to provide an interactive platform for conducting online classes
- **ESTABLISHMENT OF 100 KW SOLAR POWER PLANT:** to promote Renewable sources of energy, and to create awareness in the Society in realization of "Green Planet" dream, and also as a means for our M.E & E.E.E students to pursue their Research interests.
- **HEARTFULNESS ORGANIZATION'S MEDITATION PROGRAM:** to ensure "Sound Mind in a Sound Body".
- **TASK , CRT & PLACEMENTS:** In association with 'TASK' and other Organizations all the care is being taken to ensure placement of eligible students, and some of our students getting placement in world class companies like Accenture, Wipro, TCS and Infosys is a testimony to this.
- **SPM CENTER:** as a contribution towards forming community to ensure un interrupted power supply, and hands on Industrial experience to our EEE students.
- **SWAYAM:** Promotion of NPTEL courses among Faculty members and Students with financial incentives.

File Description	Document
Link for appropriate web in the Institutional website	View Document
Link for any other relevant information	View Document

NAAC

5. CONCLUSION

Additional Information :

- A new program in emerging technologies B.Tech. in CSE (AI&ML) has been introduced in the academic year 2020-21 looking at interest from the student community.
- MOU with TASK is giving productive results by way of Technical & Soft Skills training to prepare the students for campus placements and a good number of students are placed in TCS, INFOSYS like reputed MNCs.
- Excellence Award: SSIT is recognized by TASK and CISCO Networking Academy for training highest number of students in CISCO IT Essentials during 2016-17.
- Our beloved Principal is conferred with 'Bheeshmacharya Award' for his outstanding contribution to Engineering Education.
- SSIT is planning to extend the association with CODE TANTRA for conducting (online classes platform) for training students in latest technologies to improve their employability skills.
- IT infrastructure: Our SSIT is a preferred partner for conducting competitive exams like IIT JEE, EAMCET etc.

Concluding Remarks :

Sai Spurthi Institute of Technology with support from its visionary management, able Administrators and dedicated Staff members has been on right path for Excellence since its inception in 2001. Some of our eligible students getting placement in world class companies like CTS, INFOSYS, TCS, WIPRO etc. is a testimony to this.

A new program B.Tech. in CSE (AI &ML) has been introduced in the academic year 2020-21. An MOU with CODE TANTRA for conducting online classes is giving fruitful results in preserving the academic ambience of the college in this COVID 19 pandemic situation.

Our Mentoring system has been appreciated by NAAC PEER TEAM during I cycle with full marks.

The college Administration provides its Staff with all statutory welfare measures. IQAC ensures attainment of Quality in all aspects to ensure smooth functioning of the Institute. SSIT is striving its best to ensure a pollution free, green campus environment.

While remaining in the field of Higher Education for two decades, Sai Spurthi has remained consistent in its commitment, contribution to rural young talent and Nation building.

This SSR report (cycle II) is prepared with the contribution and participation of all the stakeholders under the supervision of IQAC.