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SELF STUDY REPORT

Executive Summary

Introduction:

With a commitment to offer quality education and with “**ज्ञानदेव तु कैवल्यम्**” as the motto, Shri Shankaracharya Technical Campus (Shri Shankaracharya Group of Institutions) was established by the Shri Gangajali Education Society Trust in year 1999 at Bhilai, Chhattisgarh on the philosophy of **Adi Guru Shri Shankaracharya**; with a clear vision to build the institute to fame of India's leading destination for engineering, pharmacy, computer applications and management education, and draw to it students from the various parts of India and abroad for quality research and knowledge.

Shri I.P.Mishra, B.E. (Mechanical), President of Shri Gangajali Education Society, Bhilai is such a personality who has dedicated himself to the society in the pursuit of Excellence in Professional Education through Innovation. He was the honorary founder secretary of the first self financing Engineering Institute B.I.T. Durg, in 1986, undivided Madhya Pradesh. The urge to reconstruct engineering education motivated him to dive into the arena of Technical Education which has gained a lot of momentum and has taken a giant shape in the form of Shri Shankaracharya Group of Educational Institutions in the newly born State of Chhattisgarh with blessings of Jagadguru Shri Swami Swarupanand Saraswati Maharaj.

SSTC proudly offers 9 UG, 18 PG and 12 Ph.D. programmes in Engineering, MCA, MBA and Pharmacy with 18 years of rich standing in educational area having excellent track record with BI and IEDC cell emphasizing on entrepreneurship and skill development. SSTC has been accredited twice by National Board of Accreditation in almost all the departments.

Vision:

To become a premier technical institution to produce value-based competent professional leaders for the global workplace in an environment of holistic development with outcome-oriented learning and research to meet societal needs.

Mission:

1. To make the students understand the concepts of Science and Engineering, and their applications through class room teaching, laboratory practices and hands - on experience of

various professional skills both on-campus and off- campus.

2. To give an environment of self- and life-long learning through exposure to innovative practices in design, research and development to attain professional growth and fulfillment.
3. To inculcate discipline, determination and dedication with human values to serve the society in the most befitting manner through various co-curricular, extra-curricular activities and extension services.

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Institutional Strength :

1. Competent and dedicated faculty members who offer benevolent approach to students.
2. Effective teaching, monitoring and evaluation process.
3. Institute have Innovation and Entrepreneurship Development Centre (IEDC) and Business Incubator (BI) center supported by MSME, New Delhi.
4. Team work and stakeholder participation in every decision making.
5. Institution with NBA accredited departments.
6. Library consists of adequate reference books, text books, journals, magazines, online resources and digital library.
7. In-house developed Educational ERP (EDRP) connected through LAN and WLAN for students and faculty.
8. Bridge courses are conducted for the first year students to bridge the gap between school and college needs.
9. Faculty retention is high.
10. Placement and training cell grooms the students to be industry ready through training on communication, soft skills and special technical training.
11. Almost all the qualified students were placed through on campus and off- Campus placement drives.
12. Eco – Friendly campus.
13. Centrally located and is well connected through National highways, railways and air.

Institutional Weakness :

1. Limited links with other institutions within and outside the country.
2. Patents work need to be enhanced.
3. The affiliated system limits academic freedom of the College.

Institutional Opportunity :

1. The institution has the capacity to design and conduct different types of special courses in order to meet the industry demands.
2. Increased focus on industrialization and educational development.

3. Institute can become autonomous under UGC.
4. Promoting the young and motivated faculty members towards research, consultancy and academic excellence.

Institutional Challenge :

1. Competitive quality and innovative training is demanded by job market.
2. The need to improve communication skills in English among the students from rural areas.
3. Financial requirement is high to provide quality technical education.
4. Continuous changing requirements of the industry.

Criteria wise Summary

Curricular Aspects :

By virtue of Institute's affiliation status to Chhattisgarh Swami Vivekanand Technical University, Bilai, the curriculum is designed by the affiliating University. This Institute can at best provide useful feedback and recommendations to the University on the efficacy and usefulness of the curriculum. However, the college implements new idea and creative methods for the delivery of the curriculum internalizing the requirements of the primary stakeholders – the students – and keeping in sight the expectations of other stake holders, teachers practice different techniques to accomplish the set outcomes for each course and the overall achievement of the outcomes of each program. There is an increased emphasis on inculcating values, ethics and life skills in all the value-added/certificate courses/elective courses/field projects, conducted in the Institute. The focus of delivery of curriculum has been towards the Outcome Based Education (OBE) model.

Feedback by the students, faculty, employers, alumni and parents on the program/ course continues to provide a critical input on what is needed most in the content and delivery of curriculum. The feedback is analysed, deliberated by the Academic Council and finally at the Governing body level. Nearly all faculty members of the institute are a part of one or more of these academic/bodies who drive the quality assurance at the institute by their collective wisdom.

The latest improvements in delivery of curriculum have taken place in adopting blended, collaborative and experiential teaching-learning at the Institute. The faculty has become more of mentors and facilitators than just conventional teachers.

Teaching-learning and Evaluation :

The thrust of education is “Teaching – Learning” necessary for knowledge societies to flourish. The college adopts the student – centric learning and experiential learning as its corner stone in academic process.

The college follows a transparent admission policy in admissions. The seat through single-window counseling conducted by Department of Technical Education with Seat matrix displayed online, fee structure displayed, merit list until the last seat is filled and admissions made in the institute.

There is a superior 1:15 ratio (average of the past 5 years) of full time faculty to the students enrolled over the past 5 years. An average of 15 students (past 5 years) per mentor has been achieved. The mentoring takes place in a well-structure way in the specially designed mentoring cabins and record maintained of impact and progression by the respective mentors.

The academic calendar is planned in advance by the institution within the frame work of the schedule set by the affiliating University. Each department has its own contemplated vision and mission statement which are tuned to fall in line with that of the college.

Classrooms are equipped with overhead projectors. EDRP exists for the faculty to upload their e-learning content and notes on the website. Though lecture method is the pre-dominant teaching method, the use of ICT is integrated into the teaching-learning process. The regular classes are complimented with tutorial classes, special classes, and remedial classes.

Students have been bagging ranks and gold medals at the university examinations both at UG and PG levels.

Research, Innovations and Extension :

SSTC was established in the year 1999 in for the larger societal needs. It understands fully that if it has to emerge as an institute of reckoning for society, research, innovation and extension shall be the main determining plank of its focused progression.

Research is encouraged on both part-time and full-time basis leading to Ph.D. Faculty are actively engaged in research and are participating as resource persons and delegates. The institution has good infrastructure for research activity with most of departments having acquired apparatus for research with Departmental Research Committee. Some faculty members are engaged in research projects funded by the CGCOST, DST, MSME and AICTE.

The faculty showcases their talents by the several national/international level seminars and conferences organized by the college and by other institutions. The research publications and presentations have been well received and cited by other researchers. The faculty is also engaged in writing books and chapters in books. The institute has a stated code of Ethics to check malpractices and plagiarism through Turnitin.

The conclusion of the research work has resulted in proficiency, sharing and offering ideas to the industries, manufacturers or scholars from other institutions. The products/processes developed through research and consultancies have been registered for patenting.

To fulfill the same, a variety of extra-curricular activities such as sports, extension activities including NSS are part of the college life of the students. These activities build competitive and team spirit, the emotional intelligence and the mind-set of the students to address the societal needs.

Infrastructure and Learning Resources :

SSTC prides in its quality infrastructure and learning resources in the campus to achieve its objective of excellent education. The campus is spread over 9.83 acres and is beautified by gardening and landscaping.

The instructional area covers large class rooms, tutorial rooms, laboratories, mechanical workshop, mentoring rooms, project labs, seminar halls, spacious library, computer lab and faculty rooms with facilities to accommodate divayangs.

The college has one indoor auditorium with seating capacity of 500 , outdoor auditorium with seating capacity of 1200, Bank of Maharashtra , ATM counter, Canteen and power back up with generators and solar power panel.

The supporting infrastructure of SSTC is comparable to the superior-in-class by any standard of reckoning. Computing center, reprographic facility, health care center are at the student's disposal. Spacious play ground, gymnasium and a basket ball court is also there .Games such as table tennis; chess and carom are played indoors. Residential blocks for girls and boys add to the infrastructure of the college. SSTC invests a fairly large budget for augmenting its infrastructure year on year. The campus is maintained to perfection in its functionality as well as in housekeeping. SSTC has Potable R.O. water supply, fire extinguishers for safety and buses to transport students from various parts of the city. A digital well resourced library with e-journals and NPTEL materials improve the learning experience of staff and students with in house EDRP. 200 mbps fast internet connectivity with localized Wi-Fi facility adds technological support to the learning process.

Student Support and Progression :

Students are primary stakeholders of the institution and the institution has been evolving measures like student empowerment, inclusive practices and skill development which are student supportive and student centric. The practice of social inclusion, financial incentives and welfare measures has been internalized in the institutional processes.

In order to continue the academic growth of the learners, a strong backup system has been developed. The fees of five percent students is waived off on merit basis. The financially weak students are addressed through facilitating the procurement of government scholarships every year and by extending free boarding and lodging for very needy students, accepting the tuition fee in installments. The emotional stability is taken care of by internal counseling and grievance redressal cell.

An active placement cell headed by a placement officer ensures training for on-campus and off campus interviews. The placement officer coordinates with the prospective employers and arranges for on- campus interviews. For students who have an attitude for taking up jobs in core engineering industries attend on-campus and off-campus interviews.

Special assistance is given to those who wish to progress towards higher studies and books and materials for clearing qualifying examinations like GATE, UPSC, CAT and GMAT are made available. The would-be entrepreneurs are exposed to the intricacies of starting and successfully running an enterprise and are also introduced to successful entrepreneurs for emulating and learning.

The alumni of the college have been actively involved in various events of the college either as resource persons, judges or facilitators activities.

Governance, Leadership and Management :

The Vision and Mission of the Institute has regional, national and global aspirations for creating competence and abilities in the students studying at SSTC. It lays down emphasis on skill building and developing responsible citizen. To achieve the stated vision, mission and the aims, a well-structured process is in place; the process of which is monitored at various levels.

The Governance in SSTC is characterized by the following:

- Institutional-building by fostering quality and excellence through various well-functioning statutory and non-statutory bodies.
- Laying down processes and framing policies by collective wisdom and participative involvement of all stakeholders.
- Effective administration, control, supervision and monitoring by various authorities in the chain of command to ensure smooth and seamless implementation of well-considered direction and goals in attainment of vision and mission.

SSTC has evolved perspective/strategic plan on short-term and long-term basis that describes its activity/initiatives, targets to be achieved, methodology of achievement and responsible key resource persons who will drive the attainment.

The institution practices decentralization and participative management. Collective wisdom of management, faculty, staff and students drives the academic and administrative endeavor. The overall governance of is carried out by the Governing Body headed by Chairperson. The Director of the institute monitors daily functioning of institute through HoDs and thus, responsibility and leadership is handled. Next to the Director in the hierarchy are the Heads of the Departments on the academic side and the Registrar on the administrative side. The Librarian and the Placement Officer report directly to the Director.

Institutional Values and Best Practices :

As an academic institution it is college's responsibility to inculcate good habits and responsibility in students.

SSTC devotes significant importance to the ethics, values and social responsibility and has taken certain steps to make the premises environment friendly. which includes the following:

- Sensitising the institute environment on gender equity, environmental consciousness and sustainability.
- To create environment consciousness, a sapling is planted when a distinguished guest visits the college.
- A 100 KW off grid (with battery backup) solar power plant and a Rain Water Harvesting System in place.
- It takes special care in waste management, rainwater harvesting and adopting alternative energy initiatives.
- The institute follows green practices and educates the nearby community on all the above issues.
- The campus is differently-abled friendly.

The institute organises number of activities for promotion of universal values, tolerance, national integration, communal harmony and social cohesion. It maintains complete transparency in its financial, academic, administrative and auxiliary functions. Institute takes pride in some of the best practices initiated for the empowerment of students. All activities of the institutes are directed towards attainment of vision and mission.

A step towards skill development is achieved by establishment of Business Incubator, and IEDC sponsored by MSME, Government of India. Inspired by modern pedagogy's insistence upon collaborative group-work between facilitators and learners, the college has created an inclusive practice-model that focuses on development of personal skills along with academic qualifications through IEEE student chapter and various centers of excellence.

Profile

BASIC INFORMATION

Name and Address of the College	
Name	Shri Shankaracharya Technical Campus (Shri Shankaracharya Group of Institutions)
Address	Shri Shankaracharya Technical Campus (Shri Shankaracharya Group of Institutions), Junwani, Bhilai
City	BHILAI
State	Chhattisgarh
Pin	490020
Website	sstc.ac.in (http://sstc.ac.in)

Contacts for Communication

Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Director	P B Deshmukh	0788-4088888	9893369869	0788-2291606	sstc@sstc.ac.in

IQAC Coordinator	Shimpy Ralhan	0788-2298605	7024148633	0788- 4088899	shimpys@gmail.com
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Status of the Institution

Institution Status	Self Financing
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Type of Institution

By Gender	Co-education
By Shift	Regular

Recognized Minority institution

If it is a recognized minority institution	No
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Establishment Details

Date of establishment of the college

University to which the college is affiliated/ or which governs the college (if it is a constituent)		
State	University name	Document
Chhattisgarh	Chhattisgarh Swami Vivekanand Technical University	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/iiqa/universi)

Details of UGC recognition	
Under Section	Date
2f of UGC	
12B of UGC	

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI	
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme
AICTE	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/iiqa/sradocuments/100591_)

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	Yes
If yes, has the College applied for availing the autonomous status?	No

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
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Location and Area of Campus				
Campus Type	Address	Location *	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Shri Shankaracharya Technical Campus (Shri Shankaracharya Group of Institutions),Junwani, Bhilai	Urban	9.83	51822.3

ACADEMIC INFORMATION

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
UG	BE,Computer Science And Engineering	48	Higher Secondary	English	180	18
UG	BE,Mechanical Engineering	48	Higher Secondary	English	180	16
UG	BE,Electrical And Electronics Engineering	48	Higher Secondary	English	120	7
UG	BE,Information Technology	48	Higher Secondary	English	120	10
UG	BE,Electrical Engineering	48	Higher Secondary	English	120	11
UG	BE,Civil Engineering	48	Higher Secondary	English	180	17
UG	BE,Electronics And Instrumentation Engineering	48	Higher Secondary	English	60	1
UG	BPharm,Pharmaceutical Technology	48	Higher Secondary	English	100	10

UG	BE,Electronics And Telecommunication Engineering	48	Higher Secondary	English	180	65
PG	Mtech,Computer Science And Engineering	48	B E	English	30	7
PG	Mtech,Information Technology	24	B E	English	18	2
PG	MBA,Master Of Business Administration	24	Graduation	English	180	85
PG	MCA,Master Of Computer Applications	36	Graduation	English	60	0
PG	Mtech,Computer Technology And Application	24	B E	English	30	2
PG	Mtech,Vlsi Design	24	B E	English	18	9
PG	Mtech,Power System Engineering	24	BE	English	30	24
PG	Mtech,Power Electronics And Power System Engineering	24	BE	English	24	17
PG	Mtech,Thermal Engineering	24	BE	English	24	21
PG	Mtech,Production Engineering	24	BE	English	24	15
PG	Mtech,Structural Engineering	24	BE	English	30	25
PG	Mtech,Transportation Engineering	24	BE	English	18	16
PG	MPharm,Pharmaceutical Science	24	B PHARMA	English	15	12
PG	MBA,Master Of Business Administration Part Time	36	Graduation	English	60	0
PG	MPharm,Industrial Pharmacy	24	B PHARMA	English	15	0
PG	MPharm,Pharmaceutics	24	B PHARMA	English	15	0

PG	Mtech,Electronics And Telecommunication Engineering	24	B E	English	36	0
PG	Mtech,Machine Design	24	BE	English	30	13
Doctoral (Ph.D)	PhD or DPhil,Computer Science And Engineering	60	Masters Degree	English	24	0
Doctoral (Ph.D)	PhD or DPhil,Mechanical Engineering	60	Masters Degree	English	12	0
Doctoral (Ph.D)	PhD or DPhil,Electrical And Electronics Engineering	60	Masters Degree	English	12	0
Doctoral (Ph.D)	PhD or DPhil,Information Technology	60	Masters Degree	English	6	0
Doctoral (Ph.D)	PhD or DPhil,Electrical Engineering	60	Masters Degree	English	24	0
Doctoral (Ph.D)	PhD or DPhil,Electronics And Instrumentation Engineering	60	Masters Degree	English	3	0
Doctoral (Ph.D)	PhD or DPhil,Master Of Business Administration	60	Masters Degree	English	24	0
Doctoral (Ph.D)	PhD or DPhil,Master Of Computer Applications	60	Masters Degree	English	12	0
Doctoral (Ph.D)	PhD or DPhil,Applied Physics	60	Masters Degree	English	24	0
Doctoral (Ph.D)	PhD or DPhil,Applied Chemistry	60	MAsters Degree	English	24	0
Doctoral (Ph.D)	PhD or DPhil,Applied Mathematics	60	Masters Degree	English	18	0
Doctoral (Ph.D)	PhD or DPhil,Electronics And Telecommunication Engineering	60	Masters Degree	English	12	0

Position Details of Faculty & Staff in the College

Teaching Faculty

	Professor				Associate Professor				Assistant Pro	
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female
Sanctioned by the UGC /University State Government	40				80					
Recruited	17	17	0	34	29	23	0	52	93	63
Yet to Recruit	6				28					
Sanctioned by the Management/Society or Other Authorized Bodies	6				28					
Recruited	4	0	0	4	9	2	0	11	61	38
Yet to Recruit	2				17					

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				142
Recruited	124	18	0	142
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				51

Recruited	49	2	0	51
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.	22	16	0	5	16	0	3	0	0	62
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	1	1	0	27	7	0	122	63	0	221

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	3	0	3
PG	0	0	0	0	0	0	33	37	0	70

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	Others	Total
		13	4	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
Doctoral (Ph.D)	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0
UG	Male	11	714	0	0	725
	Female	6	247	0	0	253
	Others	0	0	0	0	0
PG	Male	0	159	0	0	159
	Female	0	106	0	0	106
	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	67	88	56	42
	Female	17	26	23	11
	Others	0	0	0	0
ST	Male	47	47	66	56
	Female	18	18	22	22
	Others	0	0	0	0
OBC	Male	305	204	204	139
	Female	75	74	106	81

	Others	0	0	0	0
General	Male	466	407	423	460
	Female	256	255	309	338
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		1251	1119	1209	1149

QIF

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

Answer:

SSTC adopts the curriculum overview provided by the Chhattisgarh Swami Vivekanand Technical University. Depending on our resource potentiality, institutional goals and concern towards the students, we impart quality education. SSTC has developed a structured and effective implementation of the curriculum. Following are the various means through which it executes the curriculum.

HOD's Meeting: HOD's Meetings are held once in a month. Head of the Departments discuss their action plans to arrive an optimal and effective way. Institute ensures that the curriculum is implemented efficiently and innovatively. This includes a wide variety of things from the recruitment of faculty, work culture, institutional vision, supervision and review through departmental meetings –Student- Faculty-Committee meetings as well as the Principal's meeting with departments.

Academic Calendar: At the commencement of the Academic year the Academic calendar is prepared by the Committee organized for the said purpose. Academic Calendar is prepared as per the Chhattisgarh Swami

Vivekananda Technical University academic schedule and the requirements at the department level as per the action plans formed.

Meeting the Vision and Mission of the Programme: Each programme has its own Vision and Mission which matches with the Institutional Vision and Mission. Program Educational Objectives (PEO) and Program Outcomes (PO) are developed for each program and Course Objectives (CO) and Course Outcomes are defined for each course . The **Course Outcomes** for each course of our Institute's programs are specified in the handbook of the institute which is given to each newly admitted student. A copy of booklet for 2017-2018 is available at the URL given below under **Link for Additional Information**.

Lesson Plan: A Lesson plan includes course outcomes, course objectives, content topics, reference books and the expected outcomes from the students by learning through the topics prepared by respective faculty members at the beginning of each semester. It gives an insight how the lecture class will be handled throughout the semester. Library maintains question papers of pervious years which are used by faculty and students to become familiar with the pattern of examination. The teaching plan is verified by the Head of the Department. There is sufficient flexibility in the teaching plan, so as to adopt the changes if any. A sample of HOD's meeting, Academic calendars and lesson plan is uploaded as given below under **Any Additional Information**.

Internal Assessment: The evaluation of the students is carried out periodically as per the norms of the University. The periodic tutorial / class test / examination are conducted in order to assess the understanding of the students. Practical, theoretical & oral examinations are conducted to judge the understanding of the students. The examination pattern is strictly followed by the college. The transparency in examination is followed by the college. The Compliance of the curriculum is verified by the Head of the Department and the review is taken. It is then communicated to the Director through the Head of the Department and performance of the students is verified by examination and their feedback on a regular basis.

File Description	Document
Any additional information	View Document (<a data-bbox="435 1948 1385 1990" href="https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/1.1.">https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/1.1.

Link for Additional Information	View Document (https://drive.google.com/file/d/1oYk_t7ycMqELWazwUEK/view?usp=sharing)
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1.1.2 Number of certificate/diploma program introduced during the last five years

Answer: 4

1.1.2.1 Number of certificate/diploma programs introduced year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
1	0	1	1	1

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/10059)
Details of the certificate/Diploma programs	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/10059)
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/10059)

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Answer: 12.37

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
27	28	40	33	42

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/1.1.3)
Details of participation of teachers in various bodies	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/1.1.3)

1.2 Academic Flexibility

1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years

Answer: 23.08

1.2.1.1 How many new courses are introduced within the last five years

Answer: 9

File Description	Document
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Details of the new courses introduced	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/1.2)
Minutes of relevant Academic Council/BOS meetings.	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/1.2)

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Answer: 61.54

1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.

Answer: 24

File Description	Document
Name of the programs in which CBCS is implemented	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/1.2)
Minutes of relevant Academic Council/BOS meetings.	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/1.2)
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/1.2)

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

Answer: 7.99

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

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
1057	30	9	500	0

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/1)
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/1)

1.3 Curriculum Enrichment

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

Answer:

The cross –cutting issues like Gender, Environmental sustainability, Human Values and Professional Ethics etc., find an ample space when it comes to applying them positively into the curriculum. We believe in nurturing healthy environment for all students. The curriculum is designed by the University itself

does include many of these aspects such as the subjects, namely, Value Education, Health Hygiene and Yoga, Personality Development, Managerial Skills, Entrepreneurship development, etc .

1. Gender: Women's Day Celebrations and Symposia focusing on women empowerment.

Women Grievances Committee: It is formed only by female faculty members consisting of one coordinator and two members from each department. We are proud to state that in our college the incidents of sexual harassment of women students are nil due to the discipline in the campus. Yet this cell interacts with women students at regular intervals to identify any sort of issues existing. The women cell is capable of dealing the cases very confidently with its team.

2. Climate Change and Environmental Education: Energy Auditing was done in nearby villages and schools. Awareness sessions were conducted to schools kids on energy use. The institution has a solar energy system in the campus. The subject related to the energy, environment and ecology included as a part of the open elective in the curriculum of university and in first year Environment and Ecology is compulsory subject.

3. Human Rights: Institute has formed the Anti-ragging committee to ensure a ragging free campus and woman security cell that make care if women related issues.

4. Moral and ethical values: Our institute walks in the footsteps of the great personage, Shri Jagat Guru Shankaracharya Swami Swaroopanand Swarwati Ji Mahraj and emphasized showing equal honour towards all religions and prophets and advocates the blooming of a strong personality which is a combination of wisdom, love, service and deep introspection as mere information can never be called education. The NSS unit of the college engages the students in community development activities which motivate the students to take up the cause of social service. A book titled "Consciousness Development" authored by our Director is referred as a text book for Value Education in third semester B.E. courses and MBA course.

- **Employable and life skills:** Proper understanding of the subjects and its applications and scopes, exposure to recent advances in research and individual project works and field studies lay the foundation for easy access to employment among our students.
- **Better Career Options:** Career oriented AICTE/MHRD /IBM recognized certificate courses on various departments provide better opportunities for employability. Campus interviews held in the college by reputed companies like TCS, ACC. Tech. Mahindra, and Navy etc. provide a direct access to jobs.
- **Community orientation:** The student community exhibits a wide cross-section of the society ranging from students who are coming from well-to-do backgrounds of the urban society to the students coming from rural settings. Intermingling amongst themselves in the college in a spirit of

fraternity is itself a great opportunity for community orientation.

File Description	Document
Any Additional Information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/1.3.1)
Link for Additional Information	View Document (http://www.sstc.ac.in/nss.php)

1.3.2 Number of valued added courses imparting transferable and life skills offered during the last five years

Answer: 41

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Answer: 41

File Description	Document
Details of the value-added courses imparting transferable and life skills	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/1.3.2)

Brochure or any other document relating to value added courses.	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/1.3.2)
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/1.3.2)

1.3.3 Percentage of students undertaking field projects / internships

Answer: 23.81

1.3.3.1 Number of students undertaking field projects or internships

Answer: 971

File Description	Document
Institutional data in prescribed format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/1.3.3)
List of students enrolled	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/1.3.3)
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/1.3.3)

1.4 Feedback System

1.4.1 Structured feedback on curriculum obtained from

1) Students 2) Teachers 3) Employers 4) Alumni 5) Parents**For design and review of syllabus semester wise/ year wise****Answer:** A.Any 4 of the above

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/1.4.
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/1.4.
URL for stakeholder feedback report	View Document (https://www.sstc.ac.in/load1.php)

1.4.2 Feedback processes of the institution may be classified as follows:**Answer:** A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/1.4.2

URL for
feedback
report

View Document (<https://www.sstc.ac.in/load1.php>)

2. Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Answer: 1.29

2.1.1.1 Number of students from other states and countries year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
51	50	56	50	60

File Description	Document
List of students (other states and countries)	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.1.1)
Institutional data in prescribed format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.1.1)

Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.1.1)
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2.1.2 Average Enrollment percentage

(Average of last five years)

Answer: 92.36

2.1.2.1 Number of students admitted year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
1119	1209	1205	1189	1126

2.1.2.2 Number of sanctioned seats year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
1351	1323	1224	1224	1224

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.1.2)

Institutional data in prescribed format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.1.1.3)
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2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Answer: 59.26

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

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
457	477	388	502	298

File Description	Document
Institutional data in prescribed format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.1.1.3)
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.1.1.3)

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Answer:

Students enter college with varying skills and levels of knowledge. It is important to identify students who need extra guidance so that they can be brought on par with their peer group. The PET is conducted by DTE, Government of Chhattisgarh for admission to the First Year of Engineering. In addition, the admission process is carried out through JEE (Main) quota. Considering these scores, as well as marks obtained in Monday test, class tests helps the Institute to assess the student's needs in following ways mentioned below.

Strategies adopted for student improvement:

- Before the start of the programme, a Department Orientation and interaction is organized. Students are familiarized with the course as well as the facilities available for them. Student queries and doubts are answered.
- Before starting any new chapter teachers always explains the objectives, outcomes and purpose of that particular chapter so that students can grasp the matter easily. Sometimes teacher has to speak in local language also for easy understanding of the students as most of them come from Hindi language background.
- Introductory classes, particularly tutorial classes provide an important space to gauge the differing levels of student competency. This enables faculty to then devise strategies to reduce the gulf in knowledge and skills.
- Extra classes/ Remedial classes for week students have been conducted semester wise subject wise and relevant document is given in **Link for Additional Information.**

Strategies adopted for facilitating Slow Learners:

The students from different educational background such as rural/urban, different mediums Hindi/English/Regional language join the institute to pursue the programme of their choice as per their merit ranking. One of the challenges faced by the institution is the differing levels of competency in English language skills amongst students. To deal with this challenge a number of strategies have been adopted.

- Special tutorial groups are organized for such students with teachers who are competent to explain topics in the regional language.
- Guest lecturers are invited to improve the English language proficiency classes are organized. These focus on building up all the language skills by an interactive method that includes role play, group work and activities.
- Group discussion public speaking sessions too are organized.
- Special courses on life skills, computer literacy and communication are organized on a regular basis to help bridge the gap amongst students in these areas.

Strategies adopted for facilitating Quick Learners:

Quick learners are identified through their performance in examinations, interaction in class room and laboratory, their fundamental knowledge, concept understanding and articulation abilities etc.,

- Learning needs of the advance student are further fulfilled by activities such as free GATE coaching, NPTEL Online Certification Course, Spoken Tutorial classes.
- Advance learners also attend Workshops/ Seminars/ Symposiums to keep them updated on various advancements.
- The co-curricular clubs of various departments of the University conducts special workshops to improve the hands-on skills of the students.

To facilitate learning of students and make them competent in all spheres of life SSTC has many centers of excellence given as **Link for Additional Information.**

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.2.2.2)
Link for Additional Information	View Document (https://www.sstc.ac.in/centerofexcellence/)

2.2.2 Student - Full time teacher ratio

Answer: 11.46

File Description	Document
Institutional data in prescribed format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.2.2.2)

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Answer: 0.02

2.2.3.1 Number of differently abled students on rolls

Answer: 1

File Description	Document
Institutional data in prescribed format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/10059)
Any other document submitted by the Institution to a Government agency giving this information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/10059)
List of students(differently abled)	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/10059)
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/10059)

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

Answer:

The pedagogical approach to teaching-learning at SSTC is learner-centric, rather than teacher-centric. It makes use of innovative pedagogical techniques that combine the theoretical with the practical. The aim is to not only sharpen

critical understanding of a subject, but to understand its interface with a changing world. The attempt is to blend the chalk and talk method of teaching with e-learning to make the classroom a truly interactive space. We follow namely role plays, discussions, debates, laboratory experimental learning, mini projects and case studies.

Participative learning

- **Role Plays:** To enhance independent learning among students, the college encourages the use of non-conventional pedagogical practices, such as films, workshops and interaction with experts. These encourage discussions on a range of issues beyond the classroom.
- **Discussions:** The classroom being an interactive space, students are expected to contribute their own perspectives to discussions and question established forms of knowledge. Classroom presentations by students using e-resources (I classes and course content in EdRP) are an integral part of the teaching-learning process. We do follow the discussions in many of the subjects as it makes the students to think wide and participate in coming up with the opinions & suggestions to check their current knowledge. We practice discussions basically in soft skills, managerial communications, business adoptions etc.
- **Professional Activities:** Students are encouraged to take the initiative to bring out academic Newsletters, participate in national and international workshops, seminars. The Institution interacts, communicates and contacts the beneficiaries such as industry by arranging the field trips to the industries, guest lectures, interactive workshop with executives and eminent personalities. Different student associations exist in all the departments with objectives to attain all the above mentioned activities.

Experiential learning

- **Laboratory experiential learning:** Technical education is always justified with the help of practical knowledge. Thus we try to expose our students to all the laboratories possible beginning from the first year labs like physics, chemistry and English. Later from their second year, students related to the core department are given an exposure to pure coding languages to depth based on the potential of the student so that the student can learn it by experience.
- **Mini projects:** To enhance the practical knowledge with innovation, we do encourage our students to make some Mini projects from II year onwards, though it is not a part of curriculum of Andhra University. Students are divided into small groups so that personal attention can be paid and every student's role will become prominent.
- **Case studies:** We are following case studies mainly for the circuit branches where the students are expected to have practical knowledge & logical thinking based on the realistic experiences the advantage of our management studies faculty members to extend the practical knowledge by providing the real time case studies.

Problem Based learning: In order to make the students competent with the industries they are encouraged to identify the problems and develop skills for solving them by taking real time problems pertaining to industries.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.3.1)
Link for Additional Information	View Document (https://drive.google.com/file/d/1RpnFdWhQFjeFIKq9T70usp/sharing)

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Answer: 100

2.3.2.1 Number of teachers using ICT

Answer: 356

File Description	Document
List of teachers (using ICT for teaching)	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.3.1)
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.3.1)

Provide link for webpage describing the " LMS/ Academic management system"	View Document (http://www.sstc.ac.in/edrp_brief.php)
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2.3.3 Ratio of students to mentor for academic and stress related issues

Answer: 11.46

<p>2.3.3.1 Number of mentors</p> <p>Answer: 356</p>

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.3.3)
Year wise list of number of students, full time teachers and students to mentor ratio	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.3.3)

2.3.4 Innovation and creativity in teaching-learning

Answer:

Innovative pedagogical practices have been the hallmark of the teaching-learning interface at SSTC. The attempt is not just to transact the syllabus but use it as a stepping stone for a sustained exploration of the discipline. There are many qualities and skills an individual needs to become an effective engineer and to have a successful career. In preparation for an engineering career we should focus on developing a variety of skills, including:

Technical Competence: The focus is on having the necessary technical skills and ability to carry out a job. While an engineering education will provide foundation of this knowledge, as technology is constantly advancing you will be expected continue to learn throughout your career. In order to make the students technically competent, the various centers of excellence and collaboration are listed

- **TCS Academic Interface Partner**
- **IBM Centre of Excellence**
- **SAE India**
- **Robotics Laboratory**
- **Spoken Tutorial Project**
- **Digital library**
- **NPTEL Local Chapter**
- **IEEE student Chapter**
- **Automation lab(Siemens lab)**
- **Pearson test Center**
- **Hi-tech Lab with HD recoding facilities**

Interpersonal Skills: People with good interpersonal skills tend to be able to work well in a team or group, and with other people more generally. They are able to communicate effectively with others, whether family, friends, colleagues, customers or clients

- **Seminars and Guest Lectures:** We do conduct seminars and call the eminent people to give the guest lecturers were often.
- Training and placement cell regularly conducts various programs to improve soft skills.
- **Industrial Visits:** Students do visit industries in their summer vacation and Internship is made compulsory for the final year students though it is not a part of curriculum. All these activities are taken care and monitored by TPO Cell and HOD's of the concerned departments.

Spirituality: The higher the consciousness in a person, the higher is the confidence and competence of the person to search and solve the problems of self- family- society- planet etc. and hence to fulfill the care and concern towards self and surrounding.

Teamwork: To be an effective engineer one needs the ability to work in a team environment. Volunteer activities also lead to gain experience of team working. Students have to take up the projects related to problem based learning which

makes them able to think critically, analyze options and to create great solutions to problems that they have not encountered before. This develops an attitude to work in team as well develop leadership qualities.

Outcome based learning: The institution ensures achievement of learning outcomes through:

- Feedback will be taken by the faculty members at the end of the course on course
- Outcomes and the Assessment Committee analyse whether the corresponding Outcomes are achieved through the course outcomes.
- The exit students will also give the feedback of the Program Outcomes when they are leaving the institution..

Entrepreneurship Skills:

- **Inovative and Entrepreneurship Development Cell:** An Entrepreneurship development cell funded by Ministry of Human Resource and Development (MHRD), Government of India, has been set up by the institute to develop the entrepreneurship in the budding engineers.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.3.4)

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Answer: 100

File Description	Document
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Year wise full time teachers and sanctioned posts for 5 years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.4)
List of the faculty members authenticated by the Head of HEI	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.4)
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.4)

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Answer: 12.23

2.4.2.1 Number of full time teachers with Ph.D. year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
50	35	33	28	27

File Description	Document
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List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.4.2)
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2.4.3 Teaching experience of full time teachers in number of years

Answer: 9.94

File Description	Document
List of Teachers including their PAN, designation, dept and experience details	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/)

2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Answer: 1.4

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
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3

2

File Description	Document
e-copies of award letters (scanned or soft copy)	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.4.4)
Institutional data in prescribed format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.4.4)

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Answer: 5.04

2.4.5.1 Number of full time teachers from other states year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
14	14	14	14	14

File Description	Document
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List of full time teachers from other state and state from which qualifying degree was obtained

View Document
<https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.4.t>

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Answer:

SSTC follows the assessment procedure as per the norms of the Chhattisgarh Swami Vivekanand Technical University. Two Class Tests of 40 marks each are being conducted and take the average of both the exams. End semester examination for the remaining 80 is conducted by the Chhattisgarh Swami Vivekanand Technical University. In addition to the mid examinations we do conduct assignments & class tests as a part of continuous internal evaluation. The assignments and class tests differ for both the quick learners and slow learners. Coming to labs, regular assessment is done where finally 20 marks are allocated for Internals and 40 marks for Externals. The sample for internal assessment module is given in **Link for Additional Information**.

Multiple written assignments (class/home) are arranged for the students to help them enhance their writing skills, prepare for examinations and improve their performance. Other kinds of creative evaluative strategies, like oral tests, quizzes, objective tests are also used. For both assignments and projects, students are encouraged to explore and research on topics beyond the curricula. They are also encouraged to make presentations on their topics to help them hone their presentation skills and confidence.

The complete process is represented graphically with the samples of online exams as below in **Any additional information**.

Exceptionally sometimes we conduct the mid semester exam for the absentees in the following cases:

- If one is a meritorious student

- Participating in National and state level sports
- If someone is very sick based on medical grounds so that their percentage is not hampered.

It is insisted for extensive use of online- content (EDRP) of the institute and NPTEL and other video lectures to support the class room teaching. Comprehensive individual assignments are practiced and students need to present the assignment before submission.

Seminars, technical paper presentation and mini-projects are introduced in the curriculum to make the environment activity based.

To refine the critical thinking among students, various group discussions, debates, seminars, workshops etc., are organized in which students explore new ideas and thus enhances their performance levels.

Various approaches are followed for measurement of impact of the above practices and the effect is seen as follows:

- Improved student understanding in domain knowledge and over all development of students.
- Improved results and pass percentage.
- Reduced backlogs and detention
- Improved quality of projects
- Improved placements and employability
- Improved status of higher studies.
- Faculty members are rewarded accordingly basing on students performance.

Strategies adopted for student improvement:

Remedial classes are organized to clarify doubts, re-explaining of critical topics for improving performance. Poor performance due to frequent absenteeism is dealt by sending SMS and registered letters to the parents of such students. Appropriate counseling with additional teaching, eventually helps students to attend classes regularly.

All the staff members maintain good relation with students and deal with their problems in a gentle manner. Each class is divided into two batches and separate tutorial classes are conducted to all students for all branches of undergraduate courses. Generally, one teacher is assigned for each batch.

File Description	Document
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Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.5.
Link for Additional Information	View Document (https://drive.google.com/file/d/1jrrlKgDf7aCAUigyTkfmsusp=sharing)

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Answer:

Internal assessment in college is so transparent that every student has an idea about the standard internal evaluation process of the theory & practical subjects. The criterion adopted is as directed by the university.

The college 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 College 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 Orientation Programs. College handbooks are handed over to the students after the orientation program and college website link is also provided simultaneously.

On the commencement of semester, faculty informs the students about the various components in the assessment process during the semester. As per the university schedule, the internal assessment test (Class Test I and Class Test II) schedules are prepared. This is communicated to the students well in advance. The internal assessment tests as per the schedule are conducted by all the programmes of the institute. The pattern and the quality of the questions for the internal assessment tests are in accordance with the end semester exam of the university. For smooth conduction of tests, two invigilators are assigned to each examination room. Evaluation is done by the respective faculty members within a week from the date of examination. The answer scripts are distributed to the students for their verification. The answer papers of the students are distributed to them and the satisfaction of the students regarding evaluation is ensured. The marks obtained by the students in internal assessment tests are displayed on the department notice board and are uploaded periodically on EDRP with their attendance.

Slow learners are permitted to improvise their marks by redoing the experiment if they have scored low. Heads of the departments are fully empowered to suggest the re-assessment of the total marks by the approval of department committee. All such modifications will be displayed in the department notice boards for student reference.

The institute follows the regulations of Chhattisgarh Swami Vivekanand Technical University. . The independent learning, practical approach to the real-time applications is tested by viva voce for laboratory courses. Marks are displayed on the department notice boards & by EDRP access which is available 24X7.

For the quality of the projects, the evaluation is done by Departmental Committee along with the project guides. The university examinations are conducted at a center other than this college. The end examination for laboratory and projects shall be conducted with external examiner and internal examiner. Students of SSTC has bagged positions in University merit list due to transparent and robust internal assessment system.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.5.2)
Link for Additional Information	View Document (https://drive.google.com/file/d/1sdc5A8jQjJXduKEqVswFWpUZuGRvTb)

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

Answer:

Head of the Department takes care of grievances related to internal evaluation. The university settles the grievances using its own mechanism. The redressal of grievances regarding evaluation in both internal and university examinations are through the following process:

Internal Assessment:

Examination related grievances are handled by the student mentor to make it time bound & transparent. Class Test's answer scripts are distributed to the students as regard to total checking and for clarifications if any. The marks awarded for the tests which constitute the internal assessment component are displayed on the notice board.

The internal marks are displayed on department notice boards. The faculty gives the corrected answer scripts to the students for verification. If any discrepancy is noticed, the faculty concerned may rectify and necessary corrections maybe made. If student is not satisfied with the marks awarded even after modification by the teacher, student may present the same to HOD concerned. All such representations are taken positively and reassessment may be made if necessary. Whole process is done well before the internal marks are uploaded to university.

- Student approaches class incharge and CT incharge for the clarifications related to internal marks, midterm's marks & other if any.
- The exam control room verifies the claim of the student and forwards the application to the University for Rectification.
- At the college level, the answer scripts are shown to the students by the respective teacher with suggestions and comments for improvement.
- Any grievance is handled there and then. Before sending the IA records to the university, marks entered are verified by the college twice.
- The records are sent to the University only when the students scrutinize the marks to their satisfaction expressed through their signatures.
- In case of any discrepancy, the student contacts the respective teacher and/or the department Internal Assessment in-charge who rectifies the discrepancy.

At University level:

- The student is entitled to apply for recounting/revaluation in theory subjects within 10-15 days of declaration of results by paying the prescribed fee to the University.
- The University will process all such applications, consider for revaluation/recounting and declares result after application is approved Examination Control room.
- The marks of practical/oral examination are submitted online to the University by using a unique username and password generated by a system Director.
- Sometimes, if the questions in the End semester University exam are out of syllabus or there are other anomalies related to printing errors or distribution of marks, etc., the representation of the students is approved by the Programme Head and Director of institute and sent to the university. Then, this representation is addressed by a committee of experts constituted by the University for further action.

The above measures enable further improvement in the subsequent examination and evaluation. Conducting a general meeting of all faculty members by Director before end semester examination regarding the smooth conduct/implementation of examination rules, where faculty members are encouraged to give their suggestion on various aspects of examination.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.5.3)
Link for Additional Information	View Document (http://csvtu.ac.in/ew/grievance-cell/)

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Answer:

The academic calendar and examination schedule are decided by the Chhattisgarh Swami Vivekanand Technical University (CSVТУ); however, within these broad parameters, Institute devises its own teaching plans and methods of evaluation.

In an attempt to both fulfill the broader visionary goals of the institution as well as to concretely impart the prescribed curricula. In the beginning of the academic session, the committee headed by Principal prepares an academic calendar with the consultation of heads of various departments and examination section. Thus, perfect micro planning of each academic activity is being carried out before the commencement of the semester. The academic calendar is given to all faculties before commencement of the semester. Based on the academic calendar teaching plan is prepared. Academic calendar of the Institute includes schedule of curricular transaction, assessment, technical events, class tests, submission, list of holidays and extracurricular activities. The feedback and the performance of the students in the previous academic session are also being considered while planning the semester.

According to the curriculum published by the University, the dates for two Class Tests per semester are fixed in the academic calendar. The Internal Tests are conducted in a centralized manner by all the departments. Before finalizing the dates, it is made sure that there is sufficient time for syllabus coverage. For Class Test I, preferably three units are covered and for Class Test II remaining two units are covered. In order to adhere to the dates mentioned in the calendar, HODs meetings are conducted frequently by the Director to speed up the syllabus coverage. The HODs, in turn, convene departmental meetings and motivate the faculty members to complete the syllabus within the stipulated time.

Teaching Plan or detailed lesson plan/teaching methodology according to syllabus is prepared by each faculty before the semester starts which is based on Outcome Based Learning. It covers Course objectives and Course Outcomes. The lesson plan comprises of

- Content,
- Learning aid and
- Methodology,
- Faculty approach and course outcomes.

The lesson plan covers all the topics and total lectures required for completion of the curriculum. Monitoring of implementation of lesson plan is done by HOD & Academic Council and corrective actions are suggested.

The laboratory Schedule is prepared by the concerned faculty and batch wise details are specified in laboratory schedule. Time Table Time table of regular lectures for the semester is prepared as well as displayed on the notice board and EDRP. There is Academic Council appointed by the Director to monitor day to day conduction of the lectures based on the time table.

The coordinators then ensure the conduction of activities as per schedule.

1. Faculties regularly monitor the attendance and caution the students whose attendance is less than 80%.
2. Performance of the students in the class test are analyzed and evaluated.
3. Remedial actions are taken for below average students.
4. Students counseling is done individually to improve the performance.

File Description	Document

Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.5.4)
Link for Additional Information	View Document (https://www.sstc.ac.in/acadmic2018.php)

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students

Answer:

All the programmes of SSTC have clearly stated all program outcomes and course outcomes. Program outcomes and course outcomes of all programs are framed by active participation of faculty, industry persons and alumni. The program outcomes, course objectives and course outcomes of all the programs are disseminated at various important places such as classrooms, corridors, library, faculty room , laboratories, etc. and awareness is created among students verbally in class by the respective faculty. They are displayed in the college website as well. Individual copies of the regulation book are distributed to all the students which contain details of the course outcomes. Orientation program for all the new students is conducted every year at the beginning of the academic year to educate about all course outcomes. At the beginning of the academic year all the faculty members will prepare the course files and laboratory manuals. The college collects the feedback from the students on course structure, infrastructure, faculty, information resources, evaluation, and on the overall OBE system, to establish quality and continuously improve the program.

Method of assessment of POs / PSOs

The program outcomes and Program Specific outcomes are assessed with the help of course outcomes of the relevant courses through direct and indirect methods

Direct methods are provided through direct examinations or observations of student knowledge or skills against measurable course outcomes.

The knowledge and skills described by the course outcomes are mapped to specific problems on University Examination, internal exams and home assignment. Throughout the semester the faculty records the performance of each student on each course outcome.

Average attainment in direct method = University Examination (60%) + Internal assessment (30%) + Assignment (10%)

Indirect assessment strategies are implemented by embedding them in Student Exit Survey, Employer Survey and Alumni Survey. Few of the POs are assessed based on relevant developed rubrics. Finally, program outcomes are assessed with above mentioned data and Program Assessment Committee concludes the PO attainment level.

Average attainment in indirect method = Average (Student Feedback + Feedback on

Facilities + Parents Feedback + Alumni survey + Employer survey)

The following scoring function is used to calculate the average attainment of each PO.

PO /PSO Attainment (%) = (weightage: 80%) x (Average attainment in direct method) + (weightage: 20%) x (Average attainment in indirect method)

Mechanisim of Communication

These learning objectives are emergent and are often discussed in staff councils, in the term end meetings of department faculty with the Director. Students are spoken to about them in the college orientation and the department orientation. They are at the centre of attention in the choice of teaching-learning methodologies as well as designing extra and co-curricular activities. The vision and mission of college are suggestive of the above mentioned learning outcomes. They are available on the college website and also in the prospectus and the students' handbook.

The tools used for the assesment are given below in **Any additional information.**

File Description	Document
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COs for all courses (exemplars from Glossary)	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.6.
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.6.
Link for Additional Information	View Document (https://drive.google.com/file/d/1jrrlKgDf7aCAUigyTkfmsusp=sharing)

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Answer:

According to the above depictions discussed in 2.6.1, each POs/PSOs are assessed and finally found the attainments.

SI.No	Assessment Tool	Descriptions	Mode	Frequency
1.	End Semester University Examination	Semester examination (theory and practical) are the metric to assess whether all the course outcomes are attained or not framed by the course owner. Semester Examination is more focused on attainment of course outcomes and uses a descriptive exam.	Direct	End of each semester
2.	Assignment	One assignment is also given for assessment and regular improvement as per mentioned in the university scheme and syllabus.	Direct	Once per semester

		<p>The questions asked in assignments are mostly aligned with Course Outcome of the respective subject</p>		
		<p>According to the performance of the student in answering each question, mapping is carried out with the respective COs for assessing the attainment level of the specific CO of the subject.</p>		
3.	Class Test	<p>Two internal examinations are conducted per semester for the following purposes:</p>	Direct	Twice per semester
		<p>To ensure that students have achieved desired level of competencies. Extra classes may be conducted for the desirous students before the end of the semester to give an opportunity to such students to improve their status.</p>		
		<p>To evaluate, whether corresponding COs are achieved or not.</p>		
		<p>According to the performance of the student in answering each question, mapping is carried out with the respective COs for assessing the attainment level of the specific CO of the subject</p>		

4.	Lab Assignments	Lab Assignment can be one of the measuring criteria to mainly assess student's practical knowledge with their designing capabilities. In case of Practical, the Internal Assessment marks are based on the attendance, laboratory records and viva voce test.	Direct	End of each semester
5.	Alumni Survey	<p>Alumni survey is an important assessment tool to find out following important factors:</p> <p>Level of relevance of the curriculum with the expected skills of the industries.</p> <p>In the survey, specific questions are prepared by keeping in the view to support the assessment of level of attainment of POs.</p> <p>After receiving the response, the answer to the specific question are assessed and mapped with the corresponding POs to find out level of attainment of Pos</p>	Indirect	Once in a year
6.	Employer Survey	<p>Collect variety of information about the graduates' skills, capabilities and opportunities.</p> <p>Every year end the questionnaire is sent to the list of employers who have recruited to our students.</p>	Indirect	Once in a Year

		After receiving the response, the answer to the specific question are assessed and mapped with the corresponding POs to find out level of attainment of POs		
7.	Student Feedback	Collect variety of information about outcome based education in teaching and learning process. To understand the impact of training they have just completed	Indirect	Once in a Year
8.	Feedback on Facilities	Collect variety of information about facilities from the students.	Indirect	Once in a Year
9.	Parents Feedback	Collect variety of information about program satisfaction and college from parents.	Indirect	Once in a Year

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.6.2)
Link for Additional Information	View Document (https://drive.google.com/file/d/1wpBHOGPe0sowXtO82XCVYdxgd7qpV)

2.6.3 Average pass percentage of Students

Answer: 83.7

2.6.3.1 Total number of final year students who passed the university examination

Answer: 924

2.6.3.2 Total number of final year students who appeared for the examination

Answer: 1104

File Description	Document
Institutional data in prescribed format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.6.3.1)
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.6.3.2)

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Answer:

File Description	Document
Database of all currently enrolled students	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/2.7.1)

3. Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years

Answer: 147.5

3.1.1.1 Total Grants for research projects sponsored by the government/non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year wise during the last five years(INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0.5	69.5	23	53	1.5

File Description	Document
e-copies of the grant award letters for research projects sponsored by non-government	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.1.1.1)
List of project and grant details	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.1.1.1)

3.1.2 Percentage of teachers recognised as research guides at present

Answer: 12.64

3.1.2.1 Number of teachers recognised as research guides

Answer: 45

File Description	Document
Institutional data in prescribed format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.1.2)
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.1.2)

3.1.3 Average number of research projects per teacher funded by government and non government agencies during the last five years

Answer: 0.04

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

Answer: 16

File Description	Document
Supporting document from Funding Agency	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.1.3)

List of research projects and funding details	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.1.3)
Funding agency website URL	View Document (http://cgcost.nic.in/sites/default/files/sanctioned-mrp-20)

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Answer:

The institution has created an ecosystem for innovation including incubation centre and other initiatives for creation and transfer of knowledge. The faculty members are empowered to take up research activities utilizing the existing facilities. Chhattisgarh Swami Vivekanand Technical University, Bilai has recognized Shri Shankaracharya Technical Campus, SSGI, Bilai as a research centre for carrying out R&D activities in 12 disciplines.

Departmental Research Committee:

The institute has the Departmental Research Committee (DRC) to plan, monitor and address issues of the research work in various disciplines. Departmental Research committee is headed by the Director as the Chairman of DRC along with the University appointed expert and departmental senior faculty as members of DRC. The functions of the committee are specified (Ordinance No. 10 (Under Section 38); point 3 and 4, elaborately.

Functions of the Committee:

The DRC will allocate the Supervisor/Co-supervisor, with mutual consent of the candidate and Supervisor/Co-supervisor, for an eligible candidate depending on the number of students per Supervisor/Co-Supervisor, the available specialization among the faculty supervisors and the research interest of the student as indicated during personal interview of the student.

Research & Development Committee

The Research & Development Committee (R&D) committee is headed by a Prof. In Charge and other faculties as members. The functions of the committee are specified (Ordinance No. 10 (Under Section 38); point 5 and 6, elaborately.

Functions of the Committee:

- The committee shall formally recommend the registration of the candidate for the Ph.D. Degree.
- On approval by the RDC the candidate shall be registered and enrolled as a student from the date of his/her application.
- He/she will also be required to pay regular tuition, library and laboratory fees (six-monthly) during his/her research tenure.
- The RDC has the right to suggest revision/alterations (if required) in the synopsis forwarded by the DRC.

Innovation and Entrepreneurship Development Centre:

SSGI has established **Innovation and Entrepreneurship Development Centre (IEDC)** with help of NSTEDB, Department of Science and Technology (DST), Govt. of India. We have proud privilege that the established center is the only center of its kind in Chhattisgarh.

Start up India/Business Incubation Centre:

This incubator centers are running in Shri Shankaracharya Technical Campus with the help of Ministry of Micro, Small & Medium Enterprises (MSME) which will include the projects of Startup India.

SIEMENS Industrial Drives & Automation Lab:

SSTC with the help of SIEMENS established its Industrial Drives & Automation Lab on 21st October 2013. Siemens has been providing training courses for customers in the field of Automation & Drives through SITRAIN which offers specific courses designed for working professionals and students

IEEE Student Branch: Shri Shankracharya Technical Campus (SSTC), Bhilai, inaugurated its IEEE student branch on 7th October 2012, which is the first branch of IEEE in the state of Chhattisgarh. Some of the events organized are workshop on PLC/ SCADA, Essay, Poster & Logo design Competition, Workshop on MATLAB/Simulink, etc.

Surya Mitra Skill Development Programme: The National Institute of Solar Energy (NISE), conducts "Suryamitra" skill development programmes in collaboration with SSGI.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.2.1)
Link for Additional Information	View Document (https://drive.google.com/drive/folders/1MpCvTKzaAjct207Gtt3uOBRXFI?usp=sharing)

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Answer: 61

3.2.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
12	9	14	15	11

File Description	Document
List of workshops/seminars during the last 5 years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.2.2.1)
Report of the event	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.2.2.1)
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.2.2.1)

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Answer: Yes

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.3.1)
Institutional data in prescribed format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.3.1)

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Answer: Yes

File Description	Document
List of Awardees and Award details	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.3.2)
e- copies of the letters of awards	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.3.2)

3.3.3 Number of Ph.D.s awarded per teacher during the last five years

Answer: 0.56

3.3.3.1 How many Ph.Ds awarded within last five years

Answer: 25

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.3.3.1)
URL to the research page on HEI web site	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.3.3.1)

3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years**Answer: 0.33**

3.3.4.1 Number of research papers in the Journals notified on UGC website during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
164	99	83	64	61

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.3.4)

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

Answer: 0.19

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

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
83	55	46	25	55

File Description	Document
List books and chapters in edited volumes / books published	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.3.5)

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Answer:

As mentioned in the Mission and Vision declaration of the institution, i.e., we inculcate discipline, determination and dedication with human values to serve the society in the most befitting manner through various co-curricular, extra-curricular activities and extension services. This imparts human values to the students and provides ethical professionals with concern for the society. Accordingly, the following Centre/Forum/Clubs have been formed and students take active part in the activities and imbibe social responsibility, acquire team spirit and leadership qualities so that, they serve the society and the nation.

These activities does include NSS training camps which are conducted for rural students where our students promote awareness about issues related to

- Women empowerment
- Woman Awareness program
- Skill development program
- Importance of education
- Tree plantation
- Formation of trenches for rain water harvesting.
- Computer Literacy
- By involving students in Blood Donation Camps
- Activities related to Clean India campaign

These activities help the students to practice good citizenship and give them service orientation. The students are also actively involved in the popularization of greenery in and around the campus.

S.N.	Date	Activity Detail	Hours	Place
1.	29/03/17	Blood Donation By Humendra Gupta	1hr.	Jawahar Lal Nehru Hospital ,Sector 9 , Bhilai
2.	01/04/17	Blood Donation By Vivek Sharma	1hr.	Jawahar Lal Nehru Hospital ,Sector 9 , Bhilai

3.	05/04/17	Blood Donation By Chandra Shekhar Dewangan	1hr.	Jawahar Lal Nehru Hospital ,Sector 9 , Bhilai
4.	05/04/17	Blood Donation By Satyam Agrawal	1hr.	Jawahar Lal Nehru Hospital, Sector 9 , Bhilai
5.	5/06/17	Tree Plantation	2 hr.	College Campus
6.	15th-21st June,2017	International Yoga Fest (7 Day Camp)	10*7= 70hrs.	IGKV, Raipur
7.	11/07/17	World's Population Day	5hrs	Sector 8, Bhilai
8.	20/07/17	Tree Plantation	3 hrs.	Govt. High. Sec. School, Chikhli
9.	22/07/17	Voter's Awareness Programme and Distribution of Epic Cards	5hr.	Swami vivekanad Auditorium, Durg
10.	3/08/17	Raksha Team(Durg Police) Maiden Anniversary	3hrs.	Kala Mandir,civic Centre,Bhilai
11.	04/08/17	Blood Donation By Praveen Shrivastava	1hr.	ChanduLal Chandrakar Hospital, Bhilai
12.	7/08/17	Celebrated Raksha Bandhan with the ITBP Personnal	1hr.	Durg

13.	12/08/17	Swachhta Rally under Swachhta Pakhwada for spreading awareness regarding cleanliness	2hr.	Deen Dayal Colony & college Campus
14.	14/08/17	Highway Side Plantation Drive	1hr.30min.	Toll Plaza of Durg Bypass
15.	15/08/17	Celebrating Independence day	2hr.	Govt. higher secondary school, Chikhli
16.	1/09/17	Meeting	2 hr.	NSS Office
17.	3/09/17	One Day Camp	8 hr.	Adopted Village
18.	5/09/17	Teacher's Day Celebration	3 hr.	NSS Office
19.	8/09/17	World Literacy Day	3 hr.	Adopted Village
20.	14/09/17	CSVTU, Bhilai	6 hr.	Workshop
21.	15/09/17	Quiz and Poster Competition		Seminar Hall
22.	16/09/17	Hindi Day and Engineer's day	3 hr.	Auditorium, Campus
23.	17/09/17	Vishwakarma Pooja	3 hr.	College Campus
24.	22/09/17	NSS Day	3 hr.	Auditorium, Campus

The details session wise are shown in Tables 3.6.1(a), (b), (c) and (d). Tables (b), (c) and (d) are given below as **Any additional information**.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.4.1)
Link for Additional Information	View Document (https://www.sstc.ac.in/impact_education_project.php)

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

Answer: 15

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

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
8	3	1	2	1

File Description	Document
Number of awards for extension activities in last 5 years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.4.2)
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.4.2)

3.4.3 Number of extension and outreach programs conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/YRC etc., during the last five years

Answer: 73

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

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
25	15	8	13	12

File Description	Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/10059)
Reports of the event organized	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/10059)
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/10059)

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Answer: 4.64

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
210	235	170	183	155

File Description	Document
Average percentage of students participating in extension activities with Govt. or NGO etc.	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.4.4)
Report of the event	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.4.4)
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.4.4)

3.5 Collaboration

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

Answer: 49

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
12	11	15	9	2

File Description	Document
Number of Collaborative activities for research, faculty etc.	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.5).
Copies of collaboration	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/3.5).

3.5.2 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last five years

(only functional MoUs with ongoing activities to be considered)

Answer: 8

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

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
2	1	3	1	1

File Description	Document
Details of functional MoUs with institutions of national, international importance, other universities etc. during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/)
e-copies of the MoUs with institution/ industry/ corporate house	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/)

4. Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Answer:

SSTC encompasses a well maintained campus spread over 9.41 acres of serene green land. The existing infrastructural facilities are utilized both for conducting theory and practical classes.

The following table shows the number of classrooms, tutorial rooms, seminar halls and laboratories:

Classrooms: SSTC has sufficient number of well-furnished, well ventilated, spacious classrooms for conducting theory classes.

Laboratories: The laboratories of SSTC are well equipped and well maintained not only for carrying out curriculum oriented lab practicals but also to carry out research activities. All the laboratories are established as per AICTE and CSVTU norms.

Technology Enabled Learning Rooms: Each department in college is provided with one E-classroom equipped with LCD Projector, audio system and internet.

Seminar Halls: Each department has one seminar hall to conduct conferences, seminars and workshops for students and faculty members as well. Seminar hall has the capacity of 120 seating. They are equipped with LCD Projectors, white boards, public addressing system with internet connectivity.

Auditorium: SSTC has an open and closed auditorium. All the college events are regularly conducted in this auditorium. The closed auditorium with an area of 360 sq.mts. and has a seating capacity of 500 audience.

Particulars	Number	Approx. Area of each (in Sq.m.)	Total Available Area (in Sq. m.)	Seating Capacity
Class rooms (UG)	68	72	4896	60
Class rooms (PG)	16	72	1152	60
Tutorial Rooms	45	36	1620	30
Laboratory	125	72	9000	60
Research Laboratory	14	72	1008	60
Drawing Hall	03	144	432	60
Seminar Hall	14	144	2016	150
Computer Centre	05	-	575.43	-
Library & Reading Room	08	-	3069.83	750
Workshop	01	900	900	60

The institutional facilities of class rooms, laboratories, computing equipment, auditorium, conference hall and others are given below **Any additional information.**

Internet and Wi-Fi facility: High Speed 110Mbps Internet facility with Wi-Fi connectivity is available in the campus.

Facilities and Equipments for teaching, leaning and research:

- The college has well equipped Language Lab with LCD Projector –Audio-video facilities, computers, chairs and micro phones too.
- SSTC has a very spacious, well equipped Central Library with references and text books, journals, magazines, newspapers etc.,
- E-learning facility is provided with EDRP which covers a wide set of applications and processes including computer based and virtual learning.
- Common room for boys and Powder room for girls are separately available where any sick student can take rest or get ready for the programmes.
- SSTC has a spacious and well equipped Sports room, where pupils can play In door games like table tennis, chess, caroms etc.,
- Students and faculty members do meditate and even practice yoga in Yoga Class room..
- SSTC has a large canteen and cafeteria in an open area within the campus. It is used by both faculty members and students. The canteen is hygienic and provides delicious foods.
- Clean drinking water facility along with water coolers is provided in each floor of college campus.

The glimpses of the infrastructure of SSTC are given below as **Link for Additional Information.**

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/4.1.1)
Link for Additional Information	View Document (https://www.sstc.ac.in/gallery.php?dir=Infrastructure)

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

Answer:

The management of SSTC believes in the all-round and holistic development of our students. There is a lot of encouragement for the students to participate in sports and cultural activities, simultaneously and thus, they are awarded and rewarded accordingly. Chhattisgarh Swami Vivekanand Technical University conducts Youth fest on the birth anniversary of Swami Viveknand every year, where our students win laurels in all the fields.

Recreational facilities, gymnasium, yoga center, etc.:

- We have a spacious and well equipped Sports room, where pupils can play indoor games like table tennis, chess, caroms etc.
- For the all-round development of the students there is fully equipped Gym (Fitness Zone) containing modern equipment.
- Indoor gymnasium with an area of 576 sq.mts. is available with modern fitness equipments.
- We have a Yoga Class room where students and faculty members do meditate and even practice yoga.
- The syllabus of CSVTU has Yoga, Health and Hygiene as a soft skill course in their curriculum. The experts are invited to conduct sessions of Yoga and value education.
- College teams are formed to take part in state level and University level competitions and other intercollegiate competitions.
- Sports event competitions are conducted in the interdepartmental level in an academic year and the winners are awarded and rewarded accordingly.
- The outdoor games such as shuttle badminton, volley ball, throw ball, cricket, football, kabaddi, hand ball, kho-kho etc., are well practiced and played by the students.

Cultural Activities:

- Students are very much encouraged to participate in the cultural events held in the college like Technical fests, Fresher's Day, Annual Sports Day, Annual Day, Farewell etc., to exhibit cultural talents. Every year more than 50% of the gold winners are our students.
- Students are even sent to other colleges for intercollegiate competitions like dances, skits, mimicries etc.
- SSTC has a an annual techno-cultural fest "**SAMVID**" which has been a flagship programme for conduction of cultural as well as technical activities.

· A committee for **SAMVID** activities along with the staff and students of the college organizes this techno-cultural fest. The aim of SAMVID is to provide a platform for students to showcase their talents and organizational skills. More than 1500 students participate in SAMVID from the different colleges of the region.

· The aim of **SAMVID** is to provide a platform for students to showcase their talents and organizational skills.

· It comprises of events in the form of competitions, workshops and stage performances such as Treasure Hunt, Art Gallery, Fashion Show, singing and dancing competition, Movie-making completion, Celebrity night, etc. To broaden the horizons of the students, they are encouraged to participate in several inter-colligate events.

All the departments of SSTC have engineering associations to enhance the hidden talent of the students which conduct activities at time to time.

The glimpses of the facilities for sports, games (indoor, outdoor) gymnasium, yoga centre etc. and cultural activities are given below in **Any additional information**.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/4.1.1.2)
Link for Additional Information	View Document (https://www.sstc.ac.in/hostel.php)

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

Answer: 37.5

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Answer: 54

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/4.1.3)
Link for additional information which is optional	View Document (https://sstc.ac.in/gallery.php?dir=Infrastructure)

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Answer: 4.74

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year wise during the last five years (INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
20	10	60	5	10

File Description	Document
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Details of budget allocation, excluding salary during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/4.1.4)
Audited utilization statements	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/4.1.4)

4.2 Library as a Learning Resource

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

Answer:

Computers are excellent research assistants. They can help users find materials that would otherwise be undiscovered on the shelves. For years, librarians have labored to make their materials accessible through subject, title, and author entries via printed catalogs. Analytic entries provided access points above and beyond the title and author.

An Integrated Library Management System (ILMS), also known as a library management system (LMS) is an enterprise resource planning system for library, used to track items owned, orders made, bills paid, and patrons who have borrowed. SSTC has an in-house developed enterprise resource planning system named “EDRP”. EDRP is **user friendly, menu driven, and highly interactive** software. To operate EDRP **no prior knowledge of computers is required**. Its powerful user interface feature like **drag-drop** makes its user feel very comfortable. The accompanying on-site training and high quality reference manuals ensure smooth transition from the current computerized or manual system to EDRP.

- Library is fully automated.
- College library can be accessed through EDRP login via LAN and internet for resource sharing.
- College is provided with CC TV, RFID and other ICT devices for the better services.
- E-resources from open sources are also procured by our College Library.

- Orientation program on the basics of how to access the library are conducted for every session for new students
- Our librarian is always on time and ready to work with full dedication.
- Professional ethics are present in the College Library.
- The Institution has adequate computing facility for its faculty. Faculty members are provided with internet facility for preparation of teaching/learning materials in their respective departments.
- The institute has many computer labs with audio video facility to conduct such training programs.
- Each department has its own computing facility based on the curriculum need.
- Students are encouraged to refer to NPTEL video lectures, Audiovisual learning approach. Softcopy of many learning resources, e-books, etc. are provided to the students. They can also avail the facilities of photocopying, printing in institute.
- Seminar halls in the departments are equipped with LCD projector, PA system, and computer system with internet facility. Power point presentation is used along with board work by faculty for enhancing the learning process.
- The faculty and students can access e – resources available in the library.

Different Tools which are used to access the library through modern means

Sr. No.	Details	Comments (if an
1	Library Website	Through EDRP at (http://www.sstc.a
2	In-house/remote access to e- publications	Through EDRP
3	Library Automation	EDRP Software
4	OPAC (online public access catalog)	OPAC Issue & Re
5	Electronic Resource Management package for e-journals	Yes
6	Federated searching tools to search articles in multiple databases	Yes
7	Total number of computers for public access	18
8	Total number of printers for public access	01
9	Internet	170 Mbps bandwi

10	Institutional Repository	Yes
11	Content management system for e-learning	Yes

SSTC has a **library advisory committee** whose constituent members and objectives are shown below in **Any additional information**. The glimpses of library facilities are also attached.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/4.2.1)
Link for Additional Information	View Document (https://www.sstc.ac.in/ssgi/library.php)

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Answer:

Library of SSTC has a good collection of resources available for its students and faculty. For various competitive exams, the library of SSTC is well stocked by books like GATE, CGPSC, GMAT and UPSC. Our students prepare from these books and get benefitted for these exams. The autobiographies and biographies of great people are available in library which includes scientists, engineers and leaders. Great deal of motivation is being imparted by these books to our students. The collection of editorials and important articles from all the national newspapers are displayed in the library to enrich the General Knowledge and Current Affairs of students.

At present the library does not have any manuscript or rare books collections. SSTC has the following of knowledge resources for library enrichment. Details are as given below:

- **Automation and Computerization**
 - Barcode based circulation system
 - OPAC (On Line Public Access Catalogue)
 - Catalogue of the holdings is available 24x7 for online access on the campus network & World Wide Web.
- **Latest Magazines / Journals available**
 - E-Library :Equipped with 15 Terminals for access of Online Journals & Internet
 - DELNET, New Delhi Membership
- Subscription to leading National and Local Dailies and other News Paper
- Centrally located with a seating capacity of 600 users
- Open access system in Issue & Reference section
- Close Circuit TV based monitoring
- Coverage by Intercom System and Dialup services
- In House Developed Library Management Software
- Facility of Property counter
- Power Backup Facility
- Facility of Centralized Air-cooling

The details of library books are as following:

1	Total no. of Books	65607
2	Total no. of Titles	11058
3	Total no. Text Books	53122
4	Total no. Ref. Section Books	12485

The details of periodicals are as following:

1	e-Journals (Online)	3247
2	Number of Indian Journals	160
3	Number of Magazines	45
4	Bound Volumes of Journals	1587
5	No. of News Papers	15

e – Resources details:**1. IEEE JournalsASPP package**

- Available since 2005
- Latest Electrical, Electronics & Computer Sc. literature.
- Access to publications of IEEE covering 183 journals

2. ○ 9 Journals

- 55 Conference Proceedings

3. Elsevier Journals(Science Direct)

- Access to full text papers from 275 journals.

4. Jgate Journals

- Management Journals
- Access to full text papers from 5158 journals.

5. Sage journals

- Management Journals
- Access to full text papers from 10 journals.

6. Inventi Journals

- Electrical, Electronics and Computers
- Access to full text papers from 52 journals.

1. Bentham Pharmacy Collection

- Access to full text papers from 23 journals.

1. Tutorial CD's

- Tutorial CD of Books - 2950
- Magazines CD's - 600
- NPTEL Video Lecture on various subjects

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/4.2.2)
Link for Additional Information	View Document (https://drive.google.com/file/d/1OOcViWvE02D_IrSusp=sharing)

4.2.3 Does the institution have the following:

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership
4. e-books
5. Databases

Answer: A. Any 4 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc.	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SS)
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SS)

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Answer: 23.77

4.2.4.1 Annual expenditure for purchase of books and journals year wise during the last five years (INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
23.27	21.89	21.47	21.98	30.22

File Description	Document
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Details of annual expenditure for purchase of books and journals during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/4.2.4)
Audited statements of accounts	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/4.2.4)

4.2.5 Availability of remote access to e-resources of the library

Answer: Yes

File Description	Document
Details of remote access to e-resources of the library	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/4.2.5)
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/4.2.5)

4.2.6 Percentage per day usage of library by teachers and students

Answer: 8.95

4.2.6.1 Average number of teachers and students using library per day over last one year

Answer: 397

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/4.2.6)
Details of library usage by teachers and students	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/4.2.6)

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Answer:

The college upgrades and purchases the IT infrastructure and associated facilities as per the requirements of the university syllabus. The seminar hall and classrooms of every department of the college is equipped with LCD projectors, PA system. The Institute provides Wi-Fi & Internet facility for staff and students. The institute encourages e-learning, advanced software for Research & Development as well. The institute has a dedicated Lab equipped with audio and video equipments to conduct live training programmes at remote IITs. The institute has a CRMC (**Central Resource Management Computing**) committee to provide the required IT facilities to all the Departments. The requisition of the IT facilities such as computers, peripherals, projectors etc is put forth by the departments to the CRMC. The IT facilities are centrally purchased by institute as and when required.

Institute maintains good computing facilities with latest software available. Table shows details of computing facilities available:

Table: Details of computing facilities available.

Location	Number of Computers	Peripherals

Department of Computer Science & Engineering	314	Printer- 03, DLP-3
Department of E&TC	108	Printer- 02, DLP -3
Department of Mechanical Engineering	40	Printer-01, DLP-02
Department of Civil Engineering	44	Printer -01,DLP-01
Department of Electrical Engineering	41	Printer-01,DLP-01
Department of Electrical & Electronics Engg.	44	Printer-03,DLP-06
Department of Information Technology	283	Printer-02,DLP-03
Applied Physics	20	Printer-02,DLP-02
Applied Chemistry	01	Printer-01
Applied Mathematics	02	Printer-01
Digital Valuation	30	Printer-01
Department of Computer Application	97	Printer-01,DLP-03
Management	180	Printer-19,DLP-09
CRMC	3	Printer-01
Administration	28	Printer-22
Library	30	Printer-2
E & I	85	Printer-01
Department of Science & Humanities	120	Printer-03,DLP-03

Standalone facility: 1410 computers.

LAN Facility:

Name of the Internet provider	RAILTEL,AIRTEL
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Available bandwidth	100 RAILTEL + 100 AIRTEL = 200Mbps
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Wi-Fi Facility:

Yes, Routers at appropriate locations and whole campus is connected through Wi-Fi. List of Licensed Software are given in Table below

Table : Licensed softwares available in the institute

Department	Licensed Software
Department of Computer Science & Engineering	Netsim, Xylinkj, MatLab.
Department of E&TC Engineering	Lab view, Mentor Tool HEP-I, Edwin XP-1.70
Department of Mechanical Engineering	Pro/E Wildfire 5.0, Unigraphics NX.CREO-3
Department of Civil Engineering	Anasys software, staad-pro v8i
Department of Electrical Engineering	PS-CAD, PSIM
Department of Electrical & Electronics Engg.	MiPower
Department of Information Technology	IBM Rational Software Testing Tool, Biometrics Tool, MatLab
Applied Physics	Quantum Wise.
Management	SPSS-12
Pharmacy	Vlife-sciences MDS-4.

Number of nodes/computers with Internet facility: - 1410 computers.

The Institute provides LAN and Wi-Fi facility to the faculty and students to meet connectivity requirements. In addition to that each staffroom is provided with computer and internet facility .Wi-Fi facility is provided for the students both in campus and hostels. The details of the internet facility available on the campus are given in Table below.

Table : Details of internet available facility

Name of the Internet provider	Rail Tel, Airtel
Availability of internet	200 Mbps
Availability in faculty rooms	Yes
Institute's own mail facility to faculty/students	Yes
Security/privacy to e-mail/ internet users	Yes

Some of recent purchase for IT updation is shown in **Any additional information.**

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/4.3.1)
Link for Additional Information	View Document (https://drive.google.com/file/d/1UJ4EqyvVxhtJZqEocPGd4FEOxcX4Ta)

4.3.2 Student - Computer ratio

Answer: 2.89

File Description	Document
Student - Computer ratio	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/4.3.2)

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)

Answer: >=50 MBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/4.3.3)

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Answer: Yes

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/4.3.3)
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/4.3.3)
Link to photographs	View Document (https://sstc.ac.in/gallery.php?dir=Infrastructure)

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Answer: 100

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

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
448.99	424.59	446.36	410.98	452.65

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/4.4.1)
Audited statements of accounts.	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/4.4.1)

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.

Answer:

Infrastructure related problems are attended to promptly by the maintenance staff under the supervision of the Administrative Officer and Site office. A series of process maps and SOPs have been developed for maintenance and various purchase activities connected to infrastructural maintenance.

As a policy, faculty members, staff, lab assistants, drivers and other service personnel are given responsibility to maintain the equipments under their supervision and report to the Development officer if additional maintenance assistance is required for those equipments.

For maintenance of equipment, computer, elevators, etc., the university has AMC with relevant agency.

Physical facilities

The physical facilities including Laboratories, Classrooms, Tutorial room, Workshop, Library, Seminar hall and Computers lab etc. are made available for the students those who are admitted in the college. The students seek admission to desired courses including a laboratory curriculum. They are charged for the laboratory expenses at the time of the admission as suggested by the statutory body (DTE); in addition to that non-salary grants are allocated for the maintenance of the laboratories and the classrooms which a part of the teaching and the learning processes.

- The classrooms boards and furniture facilities are utilized regularly by the students.
- Sometimes it is also made available for the other governmental and the non-governmental organizations for conducting various exams like PSC, Railways, etc.

MOUs for various committees which utilize our resources is shown Link for Additional Information.

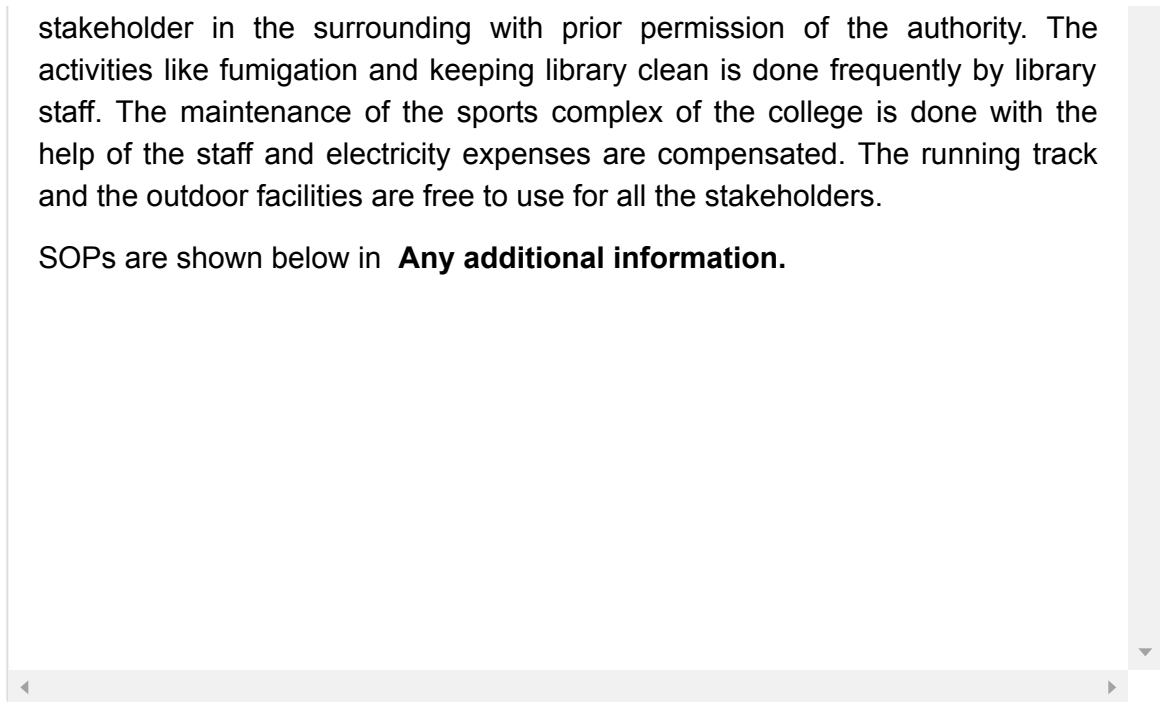
The college has adequate number of the computers with internet connections and the utility software's distributed in different locales like office, laboratories, library, departments etc. The departments and the staff can make use of the computer system with internet at their seating places in addition that majority of the staff has their own laptops and Wi-Fi; all those computer related facilities are given a contract of their maintenance annually to INFOTECH SERVICES, Bhilai. The ICT Smart Class Rooms and the related systems are maintained with AMC of the corresponding service provider. The college website has maintained regularly by AMC, CORPORATE MOTION PICTURES, Bhilai. The maintenance of the Water coolers and Generator is regularly done and the Plumbing related maintenance is done with the help local skilled persons and the expenditure is done from budget gained by college from different sources.

Academic and Support Facilities

The academic support facilities like library, the sports and the other platforms supporting overall development of the students like NSS or Competitive examination cell etc. is open not only to the college students but also to all the

stakeholder in the surrounding with prior permission of the authority. The activities like fumigation and keeping library clean is done frequently by library staff. The maintenance of the sports complex of the college is done with the help of the staff and electricity expenses are compensated. The running track and the outdoor facilities are free to use for all the stakeholders.

SOPs are shown below in **Any additional information.**



File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/4.4.2)
Link for Additional Information	View Document (https://drive.google.com/drive/folders/16m0POoRB7fB5SaQwCgxecMqusp=sharing)



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 the last five years

Answer: 14.87

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

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
751	722	647	613	315

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.1.1.1)
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.1.1.1)
Upload self attested letter with the list of students sanctioned scholarships	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.1.1.1)

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Answer: 0.21

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
9	11	11	8	4

File Description	Document
Number of students benefited by scholarships and freeships besides government schemes in last 5 years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.1.1.)

5.1.3 Number of capability enhancement and development schemes –

- 1. For competitive examinations**
- 2. Career counselling**
- 3. Soft skill development**
- 4. Remedial coaching**
- 5. Language lab**
- 6. Bridge courses**
- 7. Yoga and meditation**
- 8. Personal Counselling**

Answer: A. 7 or more of the above

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.1)
Details of capability enhancement and development schemes	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.1)
Link to Institutional website	View Document (https://www.sstc.ac.in/ssgi/fms/training_and_placemer)

5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Answer: 23.47

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

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
1049	1002	986	1080	713

File Description	Document
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Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.1)
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5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

Answer: 37.08

5.1.5.1 Number of students attending VET year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
1459	1441	1542	1540	1667

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.1.5)
Details of the students benefited by VET	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.1.5)

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

Answer: Yes

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.1.6)
Details of student grievances including sexual harassment and ragging cases	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.1.6)
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.1.6)

5.2 Student Progression

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

Answer: 50.57

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

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
936	748	662	469	125

File Description	Document
Self attested list of students placed	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.2.1.1.pdf)
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.2.1.1.pdf)
Details of student placement during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.2.1.1.pdf)

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Answer: 2.9

5.2.2.1 Number of outgoing students progressing to higher education

Answer: 32

File Description	Document
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Any additional information	View Document (<a :"="" href="https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.">https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.:
Upload supporting data for student/alumni	View Document (<a :"="" href="https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.">https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.:
Details of student progression to higher education	View Document (<a :"="" href="https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.">https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.:

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years

(eg: NET/SLET/GATE/ GMAT/CAT, GRE/ TOFEL/ Civil Services/State government examinations)

Answer: 20.48

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

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
73	54	48	54	42

5.2.3.2 Number of students who have appeared for the exams year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13

310

290

268

257

197

File Description	Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.2)
Upload supporting data for the same	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.2)

5.3 Student Participation and Activities

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

Answer: 28

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

Answer:

2016-17

2015-16

2014-15

2013-14

2012-13

13

9

2

2

2

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100!
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100!
e-copies of award letters and certificates	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100!

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Answer:

As per the Rules and regulations under provision of Chhattisgarh Swami Vivekananda Technical University Act, 2004 (Section 38(xxi)) College has formed the student union effective from academic session 2014-15 till 2016-2017 by student's elections. However as per State Government directives, in the current academic year 2017-2018 Students' Council is constituted by nomination of students on the merit basis

- Student union comprises of president, vice-president, secretary, joint secretary and class representatives. They are elected through voting.
- Professor in-charge (Student Union) sends the names of elected office bearers to university immediately after the declaration of the result.
- The University Student council then elect by simple majority vote from amongst its members, the following are the office bearers of the University Student Union.

1) President

2) Vice President

3) Secretary

4) Joint secretary

- Office bearers meet regularly to discuss the problems of student community and consensus is reached to address the problems, if any, discussed during the meetings and also ways for improvement of the overall activities of Student Union.
- College Union contributes at the rate of one rupee for each of its members towards the funds of the university student's union. The total amount of such contribution payable from out of the amalgamated fund/ composition fee, collected every year is sent by the principal.
- The Student Council helps students share ideas, interests, and concerns with lecturers and principal. They often also help raise funds for -wide activities, including social events, community projects, helping people in need and college reform.

Details of the representatives of the student union of last five years are listed below.

Academic Year	2014-15	2015-16	2016-17
President	Abhinav hananjay	Sourabh Suman	Apoorva Jain
Vice President	Kunal Sahu	Hitesh Awasthi	Vikrant Mishra
Secretary	Kajal Mishra	Ishan Sahu	Abhinav Singh Parmar
Joint Secretary	Amit Kumar	Apoorva Jain	Sourabh Verma

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.3.2)
Link for Additional Information	View Document (https://sstc.ac.in/Student_Council_Election_2016-17.ph)

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Answer: 30.6

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
38	27	23	28	37

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.3.3.1)
Number of sports and cultural activities / competitions organised per year	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.3.3.1)
Report of the event	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.3.3.1)

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Answer:

The Shri Shankaracharya Alumni Association came into being in April, 2012 and since then has been actively involved in the various activities related to the Alumni of the University. The General activities of the Alumni Association include the following:

- Creation, updation and maintenance of Database.
- Uploading alumni database.
- Promoting student, alumni and faculty interaction.
- Involving the alumni in social activities.

SSTC gives adequate impetus to have well activated network of the alumni and former faculty of the institution. It is literally an inspiration for junior students in terms of fixing their targets and preparing to reach their targets. The alumni association regularly meets in the college at least once in a year. Issues are discussed regarding the communication with the with alumni, role of alumni in the development of college, job opportunities to the students. Department collects the regular feedback from the students and from alumni and former faculty members. The institution maintains a cordial relationship with the former faculty and distinguished former faculty are invited judges for some events in annual cultural tech fest, technical workshops, key note speakers of technical seminars, session chairs for national and international conferences, etc.

The departments seek the opinion suggestions of alumni on various developmental activities. An alumni portal is created in the college website for better interaction between the college and alumni with an online registration form. They are also recommending capsule training on latest technologies. The alumni association has been looked after by a committee where in all the faculty from each department are nominated who are the alumni of the institute. All the activities carried out by alumni are managed by this committee. The objectives of Alumni association are:

- Alumni association is helping in identifying and inviting industrial experts to college for organizing seminars, guest lectures, and workshops.
- To render consultations or provide services to industries associated with alumni in the field of Technical Know-How, Standardization, and Testing Facilities and in such other fields related to the Engineering.
- To enhance, modernize, upgrade the existing facilities at the College and also to improve and upgrade quality of education as per requirement of industry and society with the help of alumni.

Details of Alumni Association are attached in Any additional information file below.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.4.1)
Link for Additional Information	View Document (https://www.sstc.ac.in/alumnimeet.php)

5.4.2 Alumni contribution during the last five years

Answer: <1 Lakh

File Description	Document
Alumni association audited statements	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.4.2)

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Answer: 6

5.4.3.1 Number of Alumni Association /Chapters meetings held year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
4	2	0	0	0

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.4.3)
Number of Alumni Association / Chapters meetings conducted during the last five years.	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/5.4.3)
Report of the event	View Document (https://www.sstc.ac.in/ssgi/fms/alumnimeet.php)

6. Governance, Leadership and Management

6.1 Institutional Vision and Leadership

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

Answer:

The Governing Body of SSTC is so reflective and the prime focus is on the vision and mission of the institute.

With a commitment to offer quality education and with “ज्ञानदेव तु कैवल्यम्” as the motto, Shri Shankaracharya Technical Campus (Shri Shankaracharya Group of Institution) was established by the Shri Gangajali Education Society Trust in the year 1999 at Bhilai in state of Chhattisgarh . It is a self-financing institution, approved by All India Council for Technical Education (AICTE), New Delhi and affiliated to Chhattisgarh Swami Vivekanand Technical University, Bhilai. Shri Shankaracharya Technical Campus (Shri Shankaracharya Group of Institution) has an ambitious vision and mission.

The Vision statements of the institution is

“To become a premier technical institution to produce value-based competent professional leaders for the global workplace in an environment of holistic development with outcome-oriented learning and research to meet the societal needs”

The Mission statements of the institution is

- To make the students understand the concepts of Science and Engineering, and their applications through class room teaching, laboratory practices and hands - on experience of various professional skills both on-campus and off- campus.
- To give an environment of self- and life-long learning through exposure to innovative practices in design, research and development to attain professional growth and fulfillment.
- To inculcate discipline, determination and dedication with human values to serve the society in the most befitting manner through various co-curricular, extra-curricular activities and extension services.

The Mission statement takes in every part of the life skills that should be acquired through a individual human being for a skilful functioning in society.

- Institutional and Departmental policy analysis are done every year with the involvement of the Management, Teaching Staff, Administrative Staff, Students, Parents and other stake holders in formulating policies.
- Governing body designs and executes Short-term, Medium- term and Long-term plans integrating departmental plans, findings of SWOT analysis and other suggestions from the stake holders. Every Ten/Five/One year's this process is conducted in the institution and at present long term plan of VISION - 2025 is on.
- There are regular interactions with the various stakeholders through alumni meets, parent meetings and discussion with recruiters so as to imbibe their viewpoints into formulation of action plans which in turn ensure constant interaction with the stakeholders.
- Management with the help of the data analyzing committee formulates quality policy and integrates the same in the strategic plan.
- Formulation of action plans and defining the policy objectives attempts to address the issues of systematic change to provide quality education.
- Creating robust principles, frameworks, systems and processes the institution intends to reinforce the culture of excellence.
- All the systems work together as a team aiming to be champions of organizational change.
- The Departments fosters a healthy competitive atmosphere among themselves and each one strives to accomplish excellence in their standards.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/6.1.1)
Link for Additional Information	View Document (https://sstc.ac.in/about.php)

6.1.2 The institution practices decentralization and participative management

Answer:

The College follows the policy of decentralization.

- The Governing Body delegates all the academic and operational decisions based on policy to the Academic Council headed by the Director.
- The Academic Council formulates common working procedures and entrusts the implementation with the HoDs.
- A team of faculty members and students coordinate the co-curricular and extra-curricular activities in the college.

Other units of the college like sports, arts, library etc. have operational autonomy regulated by various committees/clubs/associations and students are involved from various Departments in the decision-taking process.

Case Study: Decentralization and participative management

Formation of IEEE Student Branch

A Student Branch gives students the opportunity to meet and learn from fellow students, as well as faculty members and professionals in the field. An active IEEE Student Branch can be one of the most positive elements in a department offering programs in IEEE designated fields of Engineering and carries out:

- Participation in regional conferences, workshops and competitions.
- Development of leadership, interpersonal and team building skills.
- Participation in awards, scholarships and project/design programs and student paper contests.
- Establishment of a Student Branch Library with IEEE's publications.
- Access IEEE online services and resources.

Process of Establishing an IEEE Student Branch

- A petition having the signatures of 12 IEEE Student members was signed specifying the name of the Branch, and the names of the Interim Student Chair and the faculty member who will serve as Counselor of the Branch.
- This whole process could take place due to motivation of our President, Shri I. P. Mishra and our Director; Dr. P. B. Deshmukh.
- The petition was approved by the Department Chair and two faculty members, who are also IEEE members above student grade. Then, the petition was submitted to IEEE MGA Administration to begin the approval process, which includes verification of the IEEE membership of the students and the faculty members on the petition, review of the programs offered at the educational institution, review and approval by the IEEE Regional Director and the Regional Student Activities Committee Chair.
- The whole process was initiated and Shri **Shankracharya Technical Campus (SSTC), Bhilai**, inaugurated its IEEE student branch on 7th October 2012, **which is the first branch of IEEE in the state of Chhattisgarh.**

Deployment of activities under IEEE SSTC SB

With continued emphasis on the conduction of high quality events reflecting the latest in technology, IEEE Student Branch, SSTC aims to create a pool of dedicated industry-oriented professionals. More than 20 student branch members are working devotedly to accomplish the vision of IEEE SSTC SB.

IEEE SSTC SB works to promote knowledge and provide a platform to exchange views & information and thereby inculcate in the students, managerial & leadership skills and the ability to implement practical knowledge in their personal lives.

Since the inception of the IEEE student branch, a number of events are conducted by the students, for the students with the active participation of the faculty of all the Departments and the networking of students and faculty of colleges in the region is also there.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/6.1.2)
Link for Additional Information	View Document (http://ieeesstc.org/)

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Answer:

The Management gives total freedom and flexibility to the Director together with the Academic Council to lead all the academic activities of the Institutions. The following process is adopted.

- Director gets the feedback from all staff and studies the impulses of the institute in general and take steps for further improvements. as far as they are within the capacity and recommend the management for further corrective actions.
- Every faculty member is involved in various academic, administrative and other non-statutory committees.

SSTC has a perspective plan for for short term to be achieved as shown below in **Strategic Plan and deployment documents.**

Case Study: Strategic plan and deployment

A college council is in place which decides all the matters pertaining to various aspects such as academics, discipline, infrastructure facilities, etc. A number of other committees are also in place to carry out the proper planning and implementation. In order for effective implementation of Teaching Learning process, an academic calendar and master timetable of the Institute is framed by the committee. It gives a detail of all the activities relating to academics and all the departments plan their activities in line with it.

Academic Calendar					
S.N.	Activity	I	III	V	VII
1	Commencement of classes	27-Jul	3-Jul	3-Jul	3-Jul

	Display of attendance on EDRP	Daily	Daily	Daily	Daily
2	Display of attendance	On Day 1 of each month			
	Final display of attendance on Notice board	1st Sept 2017	1st Sept 2017	1st Sept 2017	1st Sept 2017
3	Preparation of Question Paper for CT-1	1-Oct	9-Sep	9-Sep	28-Aug
4	CT-1 Start date	3-Oct	11-Sep	11-Sep	30-Aug
5	CT-1 End Date	7-Oct	13-Sep	13-Sep	1-Sep
6	Declaration of Result of CT-1	10-Oct	15-Sep	15-Sep	5-Sep
7	Preparation of Question Paper for CT-2/ PUT	28-Nov	7-Nov	7-Nov	24-Oct
8	CT-2 /PUT, Start date	30-Nov	10-Nov	10-Nov	26-Oct
9	CT-2/PUT, End Date	5-Dec	13-Nov	13-Nov	28-Oct
10	Declaration of Result of CT-2	7-Dec	14/11/17	14/11/17	30-Oct
11	Internal Assessment	30 Nov-5 Dec	14-16 Nov.17	14-16 Nov.17	26-28 Oct

12	Submission of Sessional Marks	20-25 Dec	1-5 Dec	30 Nov 5 Dec	15 19 Nov
13	Preparation leave start date	6-Dec	16/11/17	16/11/17	1-Nov
14	Preparation leave End date	19-Dec	30/11/17	29/11/17	14-Nov
15	Theory Exam start date	20-Dec	1-Dec	30-Nov	15-Nov
16	Theory Exam End date	18-Jan	14-Dec	13-Dec	27-Nov
17	Tentative Practical Exam date	19-23 Jan	15 20 Dec	15 20 Dec	28 Nov-4 Dec

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/6.2.
Strategic Plan and deployment documents on the website	View Document (https://sstc.ac.in/strategicplan.php)
Link for Additional Information	View Document (https://sstc.ac.in/strategicplan.php)

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Answer:

The governing body comprising the Board members and Director decides over the policy matters and perspective plan of the institute. Certain important approvals such as annual budget, appointment of faculties are also done during their meetings. The Director as member secretary delegates the implementation of policy and plan of the institute. At the Departmental level, the decisions pertaining to requirements like equipment, text books and journals which are proposed by the faculty in charges of each department as the outcome of departmental meetings which solicits student's proposal for equipment as well. The proposals are forwarded to the Director's office and decisions are arrived in consultation with the heads of the departments. However, the proposals are judged on the basis of approved budget, bidding quotations and negotiations (though, against the lowest quotation, importance is given to better quality, durability along with service facility). Organizational chart is attached.

Service Regulation for Teaching & Other Employees

1. Same as otherwise provided in the MP Vishwavidyalaya Adhiniyam, 1973 and its Statutes, the provision of this Regulation shall apply to all the teachers and other employees of the Institute other than those whose services have been lent to the Institute by the Central or the State Government.

2. In this regulation:

a. "College" means Shri Shankaracharya Group of Institutions, Bhilai.

b Teacher of the College means Director I Principal, Professors, Associate Professor, Assistant Professor and such other persons as may be appointed for imparting instructions, conducting classes and research in the College.

c. Other employees of the College means, employees appointed by the College for doing job other than one assigned to the teachers of the Institute.

Promotion Policy

Management is maintaining a duly approved promotion/ career advancement policy for teaching staff in line with AICTE provision.

Recruitment Process

a. **Man Power Planning:** Assessment of department wise requirement of staff members.

Starting of the sessions: As the new session starts, there may be requirement of faculty.

Between the sessions: It occurs, when there will be replacement, termination of faculty, resignation of faculty etc. in between the sessions.

b. **Advertisement in National Daily:** In this process, the advertisement will be given for staff members.

c. **Collecting the resources in two ways:**

Primary Data: It includes direct relationship with the candidate like : walk-ins etc.

Secondary Data: Collection of resumes through: websites, advertisement etc.

- d. Screening the resumes.
- e. Constituting selection committee.
- f. Telecalling (candidates for interview).
- g. Conduction of interviews by the selection committee.
- h. Issuance of appointment letter and joining report.
- i. Placement to the selected candidate in specific department.
- j. Referring the selected candidates to Induction program.

Grievance Redressal Mechanism:

If the grievance directly concerns the HOD of the department or other person , the staff member may directly approach the Director for the redressal of his/her grievance.

If the Director feels that the grievance is trivial or invalid, he will take no action upon it.

If he feels otherwise he shall inform the grievance committee and take the action.

File Description	Document
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Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/6.2.2)
Link for Additional Information	View Document (https://drive.google.com/file/d/1PIKTvaqs6zRXLEUr_8Fusp=sharing)

6.2.3 Implementation of e-governance in areas of operation:

1.Planning and Development

2. Administration

3. Finance and Accounts

4. Student Admission and Support

5.Examination

Answer: A. All 5 of the above

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/S)
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/S)
ERP Document	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/S)
Screen shots of user interfaces	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/S)

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Answer:

MINUTES OF THE MEETING OF THE GOVERNING BODY

The 7th meeting of the Governing Body of Shri Shankaracharya Technical Campus (SSTC), Bhilai was held on 30th May 2017 at 11.00 hours at the Administrative Block (Adwait Bhawan) of SSGI.

The attendance in the meeting was as follows:

- | | | |
|--------------------------|---|------------------|
| 1. Shri I.P. Mishra | - | Chairman |
| 2. Mrs. Jaya Mishra | - | Member |
| 3. Shri Nishant Tripathi | - | Member |
| 4. Dr. Deepak Sharma | - | Member |
| 5. Dr. A.K. Jha | - | Member |
| 6. Dr. Neeta Tripathi | - | Member |
| 7. Dr. Anil Kumar Sahu | - | Member |
| 8. Dr. R.N. Patel | - | Member |
| 9. Dr. P.B. Deshmukh | - | Member Secretary |

Agenda Item No.- 01: Confirmation of the Minutes of the Previous Meeting

Agenda Item No.- 02: Status of Extension of Approval from AICTE for 2017-18

Agenda Item No.- 03: Status Of Nocs From State Government For Year 2017-18

Agenda Item No.- 04 : Status Of University Affiliation

Agenda Item No.- 05: Statute 19 Interviews For Faculty Selection

Agenda Item No.- 06 : Budget For 2017-18

Agenda Item No.- 07: Status of Accreditation from NBA

Agenda Item No.- 08: Review of University Examination Results

Agenda Item No.- 09: Status of Training & Placement Activities

Agenda Item No. 10- Establishment of Centres/Projects

Details of the same are uploaded

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/6.2.4)

Link for
Additional
Information

View Document (<https://drive.google.com/file/d/1JQLLtrplrSrOexKFckclvusp=sharing>)

6.3 Faculty Empowerment Strategies

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

Answer:

College initiatives towards the welfare of its staff and faculty include the following:

1. Increments:

AICTE pay scales are given to all regular teaching staff and increments are also as per AICTE norms..

2. Leave

Employee of the Institute are eligible for vacation/leave at par with their counterparts in State Government/University Service. As per provisions of the leave rules in vogue, SSCET employees are eligible for the following leave/vacation:

Vacation Staff	:	Full pay for teaching & other vacation staff. (no. of day depend on university curriculum) As per academic calendar of university.
Earned Leave	:	30 days Earned Leave per year for non-vacation staff.
Half Pay Leave	:	20 days per year for all employees which can be commuted to 10 days full pay leave on medical grounds.
Casual Leave	:	13 days per year for all employees.
Maternity Leave	:	90 days leave as per policy.

In addition, the employees are also eligible for Special Casual Leave, Study Leave, Special Disability Leave, Extraordinary leave, etc. as per provisions of the leave rules of the Institute.

3. Personal and Professional Development:

- A financial reward scheme is in operation in the Institute to motivate the faculty members for publication of research papers. As per this scheme, financial reward of Rs. 5000/- and Rs. 2500/- is given to faculty members whose papers are published in reputed International and National level magazines, respectively.
- SSTC sponsors the faculty for professional programmes development programmes every semester.
- Counselling services are offered through a Wellness Centre.

4. Financial Support

- Travelling Allowance.
- House Rent Allowance & City Compensatory Allowance.
- If any of the children of staff is admitted to the Institute, facility for free education in the Institute will be provided to his/her children.
- Employees/Teachers of the Institute shall be entitled to the benefit of Provident Fund as per provisions contained in paras 33(-1) to 33(7) of the Statute No.28 – College Code.

5. Health

- SSTC has a medical college SSIMS as sister concern wherein all the faculty are provided treatment at nominal charges.
- The employees including teachers of the Institute shall be entitled to Mediclaim Policy for self and their families. This will entitle them to avail of World Class treatment in Ace hospitals all over the India on cashless / reimbursement basis as the case may be.
- It is pertinent to place on record that unlike normal health insurance provisions, our health insurance scheme includes critical diseases as well as pronic diseases which have been putting the beneficiaries to Ailment since even before the effective date of start of the insurance policy.
- Amount of Coverage: Upto Rs 2 Lakhs per head for Self, Spouse and two dependants individually.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/6.3.1)
Link for Additional Information	View Document (https://sstc.ac.in/ssgi/sscctfet.php)

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

Answer: 2.5

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

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
06	21	05	00	3

File Description	Document
Details of teachers provided with financial support to attend conferences, workshops etc. during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/1)

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

Answer: 14.6

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

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
27	13	11	11	11

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/6.3)

6.3.4 Average percentage of teachers attending professional development programmes viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programme during the last five years

Answer: 27.15

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
176	39	69	53	58

File Description	Document
Details of teachers attending professional development programs during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/6.3).

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Answer:

At SSTC, the performance management has evolved from an annual performance appraisal system to a system of "Continuous Improvement for Success. Every semester, students have the opportunity to provide feedback through an online system EDRP (link given as Link for Additional Information) which is compiled and analysed. The report highlights the strengths and areas of improvement for each faculty member and the rating given by students on critical identified and weighted criteria of the teaching-learning process.

Every department has a vision, mission and action plan aligned with vision and mission of SSTC. The action plan is a calendar for events and activities to be initiated or executed by the department in the course of each semester. This plan is either reviewed during the academic year.

Each faculty member further has the opportunity to self-appraise their efforts towards teaching-learning and evaluation related activities; co-curricular; extension; professional development related activities and research and academic contribution. The self-appraisal also enables administrative and non-teaching staff members to evaluate their work priorities and performance versus the vision and mission of the University.

The performance appraisal system is an ongoing activity which is developed monitored and reviewed on a continuous basis. The system is developed to meet the vision of the institute. The annual appraisal is given utmost importance, where in the evaluation criteria are periodically reviewed. The appraisal form covers the following points:

Academics:

- Work load
- Maintenance of records related to course taught
- No. of student projects undertaken
- Students feedback
- Students result in subject undertaken
- No. of invigilation duty in CSVTU exam (odd & even)
- No. of students exam answer sheets valued
- Initiative taken for departmental development
- Research papers pulished in journals/conference
- Research guidance
- Books published
- Details of consultancy, R&D Projects, Patents
- Details of development programmes (FDP/SDP)
- Details of contribution to departmental activities
- Details of contribution to the institutional activity
- Details of administrative support

Attitude and Interpersonal Skills:

• Initiative: A self –starter, able to work without constant supervision	
• Responsibility: Understand duties, accepts responsibility readily	
• Punctuality:	
• Commitment: Committed to his/her work	
• Loyalty: Supports and follows Institute's policies & guidelines	

• Self Development: Keeps knowledge update	
• Oral Communication	
• Written Communication	
• Teamwork: Work effectively in team	
• Leadership: Gives clear directions and listens to co-workers	
• Relationship with Colleagues	
• Relationship with students	
• Maturity	
• Temperament	
• Behavior with Students	
• Behavior with Colleagues	
• Participation in departmental and institutional non-academic activities	
• Research & Development aptitude	
• Availability in the Institute during working hours	
• Attitude towards the job	

Apart from the departmental review of action plan and self-appraisal, the review of priorities and performance by designated supervisors ensures that there is a long term strategic alignment of activities and overall objectives with the vision and mission of the University. The system of Performance Management at the University therefore stretches beyond annual performance horizons.

For the non teaching staff, the appraisal is framed on same lines as per their responsibilities and duties.

The Performance Appraisal System for teaching and non-teaching staff is given below in **Any additional information.**

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/6.3.5)

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Answer:

The institution undergoes internal and external audit periodically and its details are as under –

Internal audit: For a financial year, internal audit is carried out on quarterly basis, hence four times a year. The internal auditor generates and communicates internal audit report for every quarter with observations and suggestions.

External Audit: External audit i.e. statutory audit is conducted at the end of financial year, and the statutory audit report and balance sheet is prepared by the statutory auditor.

SSTC has appointed statutory external auditors, M/S B. P.Waghela Associates, who regularly audit the accounts of the SSTC. Instead, the Accounts Officer and the Administrative Officer review the state of the accounts and major expenditures.

The external auditors audit the accounts of the SSTC in March every year – in at the end of financial year for the final audit. This practice is also intended as a measure of checks and balances with a view to correct any shortcomings and to advise on proper practices.

As indicated above, the accounts of SSTC has been regularly audited by M/S B. P.Waghela Associates,. So far, there has not been any audit objections.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/6.4.1)
Link for Additional Information	View Document (https://drive.google.com/file/d/17yCPBMj2p89L-cLVu13c4F0pmLu1Mgwv/view?usp=sharing)

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

Answer: 21.59

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

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
7.83535	2.11206	11.63967	0	0

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/6.4.2)

Annual
statements
of accounts

View Document
(<https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/6.4.2>)

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

Answer:

Being a self financed institution, affiliated to CSVTU, our major source of income remains tuition fee governed by Government's Admission and Fee Regulatory Committee and DTE, Government of Chhattisgarh norms. On the other hand, expenditure mainly consists of salary payments, laboratory infrastructure & building infrastructure and maintenance, though capital expenditure on various projects raised through bank assistance . The deficits (if any) are funded by the society. The objectives are as follows:

Objectives:

- Ensures growth and development in a planned and phased manner
- Takes into account sustainability as a major concern at every level
- Tailors every plan to suit the vision and objectives of the institute
- Factors in sourcing and availability of funds and listing of priorities
- Make a judicious use of consultants, consultancy and expertise in the planning
- Provide for periodic strategic planning for mobilization, allocation and utilization of resources

Strategies:

- the institute should be financially viable.
- develop infrastructure through fundraising (foundations, individuals, philanthropists)
- manage maintenance and operational costs through fees
- develop an 'investment plan' with detailed projections keeping in mind the growth trajectory as well as risk assessment

The process of planning for sustainability

- Strategic Planning Committee
- Governing Body for matters relating to policy
- Academic Council of the Institute – for academic matters
- Consultants and Collaborators

The Institute takes ongoing efforts for getting additional funds from various agencies like AICTE, CGCOST, DST (New Delhi), MSME.

In order to secure the funds, the institute assigns the R&D committee the task to monitor the various funding agencies websites, identify the call for sponsored project proposals, deadlines etc. The R&D committee suggests the same to the heads of various departments and the heads call for the submission of the proposal by the faculty members. To aid the process, the institute provides the well equipped infrastructure and lab facility to pursue the same. Funding for QIP(s), SSTP(s) and workshop by various funding Agencies from time to time.

The institute observes the systematic approach towards the utilization of the same. The Director is given autonomy to take decisions for allocation of research funds for various activities like publication, providing financial assistance for attending various training programs, workshops, seminars and conferences etc. The institute enables the Director to submit the statement of expenditure and utilization certificate within 15 days after the financial year end or as and when required by the funding agency thereby ensuring timely release of the next installment from the funding agencies.

All the funds received by agencies for research, skill devlopment,etc. have been properly utilised and some of the samples for the same have been given below in **Any additional information.**

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/6.4.3)
Link for Additional Information	View Document (https://sstc.ac.in/incubator.php)

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

Answer:**Internal Quality Assurance Cell (IQAC)**

The Internal Quality Assurance Cell (IQAC) at Shri Shankaracharya Technical Campus (Shri Shankaracharya Group of Institutions) was established on 24/04/2017 to work towards realisation of the goals of quality enhancement and sustenance. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of the institution. For this, it will channelize all efforts and measures of the institution towards promoting its holistic academic excellence.

The work of the IQAC is another step towards internalization and institutionalization of quality enhancement initiatives at SSTC(SSGI). It will inculcate a sense of belongingness and participation in all the constituents of the institution. It will be a facilitative and participative voluntary system/unit/organ of the institution. It will become a vehicle for ushering in quality enhancement by working out planned interventionist strategies to remove deficiencies and enhance quality like the "Quality Circles" in industries.

The primary aim of IQAC is

- To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
- To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

IQAC shall evolve mechanisms and procedures for

- a) Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks;
- b) The relevance and quality of academic and research programmes;
- c) Equitable access to and affordability of academic programmes for various sections of society;
- d) Optimization and integration of modern methods of teaching and learning;
- e) The credibility of evaluation procedures;
- f) Ensuring the adequacy, maintenance and proper allocation of support structure and services;
- g) Sharing of research findings and networking with other institutions in India and abroad.

Functions:

1. Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution;
2. Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge

- and technology for participatory teaching and learning process;
3. Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes;
- d) Dissemination of information on various quality parameters of higher education;
- e) Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles;
- f) Documentation of the various programmes/activities leading to quality improvement;
- g) Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices;
- h) Development and maintenance of institutional database through MIS for the purpose of maintaining /enhancing the institutional quality;
- i) Development of Quality Culture in the institution;
- j) Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC, to be submitted to NAAC.

IQAC will facilitate / contribute

1. Ensure heightened level of clarity and focus in institutional functioning towards quality enhancement;
2. Ensure internalization of the quality culture;

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/6.5.
Link for Additional Information	View Document (http://www.sstc.ac.in/iqac.php)

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

Answer:**Practice I: “Effective Teaching Learning Methodology”**

Aim: To provide environment for improving the learning skills and ensure overall personality development of students by delivering excellent professional education, thereby creating globally competent professionals.

Context: Quality teaching has to be attained by employing effective pedagogical techniques to achieve learning outcomes for students, which ensures the education meets the expectations of students and employers. The learning has to inculcate in the students, the ability to adapt to evolving professional environment.

Practice II: Growth of Research and Development Activities

Aim: The aim of this practice is to provide necessary infrastructure, human resources and motivation to nurture the research competencies among faculty members and students.

Context: The college offers UG, PG and Ph.D. degree Programmes in various engineering and management discipline. It is the responsibility of faculty members to inculcate effective learning methodology for students to understand various engineering concepts and to develop their interest in the subject. To accomplish this, faculties need to be creative, innovative and to be in touch with latest advancement in field. Their approach of teaching / learning activities should possess holistic idea about the subjects they are teaching which requires some level of research competencies.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/6.5.2)
Link for Additional Information	View Document (https://sstc.ac.in/minutes-iqac.php)

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Answer: 19.8

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
18	22	11	21	27

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/6.5.3)
Number of quality initiatives by IQAC per year for promoting quality culture	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/6.5.3)
IQAC link	View Document (https://sstc.ac.in/iqac_activity.php)

6.5.4 Quality assurance initiatives of the institution include:

- 1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements**
- 2. Academic Administrative Audit (AAA) and initiation of follow up action**
- 3. Participation in NIRF**
- 4. ISO Certification**
- 5. NBA or any other quality audit**

Answer: A. Any 4 of the above

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/6.5)
Details of Quality assurance initiatives of the institution	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/6.5)
e-copies of the accreditations and certifications	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/6.5)
Annual reports of institution	View Document (https://www.sstc.ac.in/NIRF_Overall.php)

6.5.5 Incremental improvements made during the preceding five years (in case of first cycle)

Post accreditation quality initiatives (second and subsequent cycles)

Answer:

SSTC is youngest college in Central India which is accredited in the year 2007 and reaccredited in the year 2012 and 2014. It has been ISO certified continuously till date.

Outcome based Learning

- The Vision, Mission of the institute and the PEOs were defined and put into practice in 2014.
- Also, the administrative system is in place for ensuring the attainment of the PEOs.
- There is a well-defined mechanism in place for the periodic review and revision of these PEOs by all the departments of the institute.

Programme Curriculum

- The curriculum and the program specific criteria are defined by the affiliated university.
- In order to have proper correlation amongst the Curriculum components and their relevance to Programme Outcomes and Programme Educational Objectives different practices has been observed.
- More number of classrooms is equipped with ICTs to implement interactive learning.
- NPTEL Local Chapter has been established in Shri Shankaracharya Technical Campus to overcome the constraints of the curriculum designed by the University. The students and faculty members utilize this platform to the maximum and chapter has been ranked as 25th among 1200 institutions across the country declared by IITS and MHRD.
- Educational ERP (EDRP) which is developed inhouse provides platform for effective implementation of curriculum.

Students' Performance

- **Shri Shankracharya Technical Campus (SSTC), Bhilai**, inaugurated its IEEE student branch on 7th October 2012, which is the first branch of IEEE in the state of Chhattisgarh.
- The students are encouraged to write research papers on the project work they carry out and submit to National/International Conferences.
- **Shri Shankracharya Technical Campus (SSTC), Bhilai**, has been authorized as the center for MYSY (Mukhyamantri Yuva Swablamban Yojna) for providing training to technical students and provides placement assistance.
- **Shri Shankracharya Technical Campus (SSTC), Bhilai**, has collobaration with Co-Cubes, AMCAT and E-Litmus, a very renowned agency which provides placement assistance and hiring platform.
- **Shri Shankracharya Technical Campus (SSTC), Bhilai**, has MOU with Tata Consultancy Services (TCS).
- We also provide opportunity to students for soft skill development by agencies like Face Academy and Talent Sprint.
- SSTC with the help of SIEMENS established its SIEMENS Industrial Drives & Automation Lab.
- MSME New Delhi Establishes Business Incubator at SSTC Bhilai where the innovative ideas can be converted into startups.
- SSGI has established Innovation and Entrepreneurship Development Centre (IEDC) with help of NSTEDB, Department of Science and Technology (DST), Govt. of India.
- A very active NSS unit led by Dr.D.S.Raghuwanshi, NSS Programme Officer felicitated as the "Best NSS Programme Officer of C.G. for 2016.

Faculty Contributions

- The faculty qualification has increased over a period of time with many faculty acquiring PhD and most of them pursuing PhD. Almost all faculty are having PG qualifications.

- Many of our faculty has registered for patents and few patents have been granted.
- There are many sponsored research projects and consultancy assignments which are continuing.
- The numbers of publication of the faculty have been increasing over last few years.
- Some of our faculty have authored books also which are published by reputed publication houses.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/6.5.t)

7. Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Answer: 8

7.1.1.1 Number of gender equity promotion programs organized by the institution year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
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File Description	Document
Report of the event	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.1.1)
List of gender equity promotion programs organized by the institution	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.1.1)

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:

- 1. Safety and Security**
- 2. Counselling**
- 3. Common Room**

Answer:

Safety and security:

Institution has Girl's Hostel Squad Team, Woman Grievance Cell, Vigilance Team, and Care Taker Committee to look after the cases of sexual harassment within the campus and outside the campus. '**NO**' case of sexual abuse and harassment has been encountered so far.

The institution has Women grievances cell which looks after the issues pertaining to women in particular. Women Grievances cell is capable of dealing the cases (if any) very confidently with its team of Principal, functional head of the cell and a few women faculty members.

The cell also conducts different activities to encourage women to fight against any kind of injustice resulting from gender bias. It can be stated with due pride that in the institution the incidents of sexual harassment of women students are nil due to the discipline in the campus.

The campus is proved to be very secure due to its well-maintained security system.

Separate hostels for girls and boys with good security.

The management is very concerned about health and security and thus provided with a bus to attend any kind of emergency 24/7.

A fully functional health Centre with a full time doctor with nursing assistants is in place to offer medical care for minor issues and first aid.

The Institute organizes special programmes for gender sensitization, to name a few,

S. No.	Date	Activity	Resource Person
1.	2016-17	Demonstration of Several Techniques Of Self Defence for Girls Student and Female Employees by RAKSHA team.	Ms. Monika Pandey Durg Female Police Station In charge Shri Dinkar, Police Inspector(C.G POLICE
2.	2015-2016	Women's Day Celebration by NSS unit	Dr. Raksha Singh, Principal , SSMV, Bhiali
3.	2017-2018	Raksha Team(Durg Police) Maiden Anniversary	Kala Mandir,civic Centre,Bhilai

Counseling:

The faculty of the college carries out the responsibility of taking personal care of students including girl students on the individual level. Heads of Departments look after the welfare of students by providing necessary guidance and assistance. This culture of personalized relationship is changed into a personal care delivery system-student mentoring scheme by using Teacher Guardian system in various departments. Mentoring of the students is done at the departmental level. This has intensified our efforts at holistic development of the students. Under this scheme, around 15 students are assigned to the faculty who look after their personal, academic and psychological well-being. The faculty meets their mentees periodically, understand and analyze their problems and provide solutions.

Common Room:

Separate common rooms for both boys and girls are provided in each and every Department at every floor.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.3)

7.1.3 Alternate Energy initiatives such as:

1. Percentage of annual power requirement of the Institution met by the renewable energy sources

Answer: 2.02

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

Answer: 14400

7.1.3.2 Total annual power requirement (in KWH)

Answer: 714000

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.3)

Details of power requirement of the Institution met by renewable energy sources	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.3)
Link for Additional Information	View Document (https://sstc.ac.in/greenery.php)

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Answer: 30.97

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Answer: 96000

7.1.4.2 Annual lighting power requirement (in KWH)

Answer: 310000

File Description	Document
Details of lighting power requirements met through LED bulbs	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.3)

7.1.5 Waste Management steps including:

- **Solid waste management**
- **Liquid waste management**
- **E-waste management**

Answer:

Solid Waste management: The primary goal of solid waste management is reducing and eliminating adverse impacts of waste materials on human health and environment to support economic development and superior quality of life.

Reduce: The reduction in use of raw materials

Reuse: Reuse of waste materials and recycling of those

Recycle: Recycling of materials

- Dust bins are provided throughout the campus.
- Throwing the waste anywhere is strictly prohibited.
- 'Plastic Free Zone Campaign' is observed in the institute and thus it brought down the usage of disposable plastic goods to the minimum.

Liquid Waste management: Our Liquid Treatment process involves physical and chemical treatment techniques to remove contaminants such as oils, dissolved metals and solids. The water is then sent to local tanks/ sumps to be used in gardening, Cleaning and Construction work. Well constructed drainage system leading to the closed collection tanks, the tanks is regularly cleaned to avoid stagnation of water and the cleaning part is given for outsourcing.

E-waste Management: Electronic goods are put to optimum use; the minor repairs are set right by the staff and the Laboratory assistants; and the major repairs, by the professional technicians, and are reused. The damaged computers are used by the instructor in the practical sessions of the Certificate Course in Computer Maintenance and Hardware. The waste compact discs are used by students for decoration and participation in competitions on 'Best out of Waste'. Some of the e-waste generated is used for technical education purpose by using the hardware in laboratories for display. The remaining material is disposed off in an appropriate manner.

File Description	Document
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Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.6)
Link for Additional Information	View Document (https://drive.google.com/file/d/18rIJ0t4AvEYtnnn8SS-Cusp=sharing)

7.1.6 Rain water harvesting structures and utilization in the campus

Answer:

Institution is in the path of evolving a holistic water policy to address the water requirement for various purposes in the campus. Rain water tanks are constructed for harvesting rain water to prevent soil erosion and meet the water requirements partially. Soak pits were also constructed at appropriate places to raise the water table. In the centre of the Institute, we have a big pit to collect the rain water. The rain water is channelized towards bore wells to raise the ground water level.

The institution adopts sprinkler procedure in large lawns and water is very judiciously used for plantation purposes.

Benefits:

1. Helps in recharging the soil
2. Improvement in ground water quality by dilution
3. Improves soil moisture

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.6)
Link for Additional Information	View Document (https://drive.google.com/open?id=1mITzNHkyD8R-BujV)

7.1.7 Green Practices

- **Students, staff using**
 - a) **Bicycles**
 - b) **Public Transport**
 - c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Answer:

The institute is confident of its campus facilities passing the Green Audit due to the well maintained lush green environment year after year. Each of the institute's building is surrounded by ample plantation. Also, due cognizance is given to environment in infrastructure development. The institute has also been successful in utilizing solar energy for fulfilling its partial needs.

Green Practices followed by both the faculty members and the students in the campus are:

a) Bicycles:

- The faculty members and students residing nearby are encouraged to come by bicycles.
- Thus we prevent the emission of carbon dioxide in the campus.

b) Public Transport:

The institution is located just less than 1 km from the highway. So we encourage our faculty members and students to use the public transport for safety, security and fuel conservation.

Pedestrians Friendly Roads:

The campus has wide, well maintained black top roads, covering every nook and corner of it. It has foot paths on one side. Plastic free campus:

Polyethenes are not allowed inside campus. Use of plastic bags and cups are discouraged in the campus. Even in the canteen usage of steel plates and steel cups or paper cups are mandatory.

Paperless office:

- The Management has taken keen interest to make the office a paperless office.
- **EDRP** system developed in-house caters to all the information flow in the institute.
- The complete campus is Wi Fi enabled, making it much easier for paper less activities.

- The accounts/office and academic information is stored and maintained through **EDRP** system only.
- Even the official information and circulars are preferred to be sent only through mails and **EDRP** system.

Green landscaping with trees and plants:

The institute has taken several measures for planting to make Green Campus. 50% of total area is covered with trees and lawns. The college campus has seasonal flowers, big trees, proper plantation and green lawns across the campus to keep it green. Though, there is no separate team allocated for green audit but under NSS and student-faculty association, we have encouraged green environment inside campus by planting trees and putting dustbins across the campus to make it clean. Care is taken to ensure that the college environment has low levels of carbon emission and low pollution levels so that the campus is healthy for all.

Best Practice:

The institute has always been sensitive to cleanliness and environment. It has installed solar panel based electricity plant (100 KV) in association with CREDA. The plant fulfills approximately 25% of the institutes electricity needs. Another step taken by the institute in this direction is that all CRT monitors have been replaced by LCD monitors. The campus also has well planned waste water disposal system. All the buildings have well placed windows so that electricity is used minimally for lighting. The laboratory instructors of each department are also the energy guardians of the institute as they switch off unwanted lights, fans and other electric appliances.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.7)
Link for Additional Information	View Document (https://drive.google.com/open?id=1XaCCK0YS-MbmV7)

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Answer: 1.63

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year wise during the last five years(INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
2.8	2.9	2.85	2.9	25

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.
Details of expenditure on green initiatives and waste management during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

- 1. Physical facilities**
- 2. Provision for lift**
- 3. Ramp / Rails**
- 4. Braille Software/facilities**
- 5. Rest Rooms**
- 6. Scribes for examination**
- 7. Special skill development for differently abled students**
- 8. Any other similar facility (Specify)**

Answer: C. At least 4 of the above

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.9)
Resources available in the institution for Divyangjan	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.9)
link to photos and videos of facilities for Divyangjan	View Document (https://sstc.ac.in/facility.php)

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Answer: 32

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
8	6	6	6	6

File Description	Document
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Number of Specific initiatives to address locational advantages and disadvantages	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.11)
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7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Answer: 32

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
8	6	6	6	6

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.11)
Details of initiatives taken to engage with local community during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.11)

Report of the event	View Document (<a data-bbox="435 134 1390 170" href="https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.1.">https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.1.)
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7.1.12

Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Answer: Yes

File Description	Document
Any additional information	View Document (<a data-bbox="435 793 1390 829" href="https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.1.">https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.1.)
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	View Document (<a data-bbox="435 1150 1338 1186" href="http://www.sstc.ac.in/code_of_conduct_faculty.php">http://www.sstc.ac.in/code_of_conduct_faculty.php)

7.1.13 Display of core values in the institution and on its website

Answer: Yes

File Description	Document

Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.1)
Provide URL of website that displays core values	View Document (http://www.sstc.ac.in/core_values.php)

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Answer: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.1)

7.1.15 The institution offers a course on Human Values and professional ethics

Answer: Yes

File Description	Document
Provide link to Courses on Human Values and professional ethics on Institutional website	View Document (https://www.sstc.ac.in/ethics.php)

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Answer:

Institution Organizes National Festivals and Birth and Death Anniversaries of great Indian Personalities. Our Institute is affiliated to Chhattisgarh Swami Vivekanand Technical University, Bilai in the name of a great personality who was well known both in India and abroad. The University conducts Youth Fest every year to mark his birth anniversary. Also, we do celebrate all national festivals and Birth and Death Anniversaries of many great Indian personalities.

Like:

- Independence Day
- Republic Day
- Yoga Day
- Pharmacists Day
- World's Population Day
- World Literacy Day
- Hindi Day
- NSS Day
- National Education Day
- Ekta Diwas
- World AIDS Day
- Human Right's Day
- Vishwakarma Jayanti
- Gandhi Jayanthi and Swachh Bharat Abhiyaan
- Engineer's Day
- Teachers Day
- Science Day

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.1)

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Answer:

Financial Transparency :The Institute has a well-defined procedure to monitor deployment of financial resources for the use and development of infrastructure facility and teaching learning aids. It observes following norms-

- The institute undergoes audit of its accounts every financial year by alleged Chartered Accountant.
- The institute transacts through bills and vouchers to stay transparent.
- Only the cashier undertakes single point transaction.
- Bank transactions are resorted for major payments.
- It solicits quotations from vendors against major expenditures.
- Departments are budgeted and are periodically reviewed.

Academic Transparency :To ensure rigour in Internal Assessment, teachers upload the attendance records of students on a monthly basis; give additional assignments to the students so that they can improve their writing skills and marks. Regular feedback is given to students individually in the class on their performance. Evaluation goes beyond assigning numerical assessment to students' performance. It involves discussion with regard to expected standards of performance and reasons for the obtained evaluation. Students are encouraged to undertake research projects in each of their theory papers, guided by faculty, to enhance their independent learning and communication skills.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.1.1 .)

7.2 Best Practices**7.2.1 Describe at least two institutional best practices (as per NAAC Format)****Answer:**

Practice I: Title of the Practice: "Effective Teaching Learning Methodology"

Aim To provide environment for improving the learning skills and ensure overall personality development of students by delivering excellent professional education, thereby creating globally competent professionals.

Context Quality teaching has to be attained by employing effective pedagogical techniques to achieve learning outcomes for students, which ensures the education meets the expectations of students and employers. The learning has to inculcate in the students, the ability to adapt to evolving professional environment.

Practice II: Title of the Practice: Growth of Research and Development Activities

Aim: The aim of this practice is to provide necessary infrastructure, human resources and motivation to nurture the research competencies among faculty members and students.

The Context: The college offers UG, PG and Ph.D. degree Programmes in various engineering and management discipline. It is the responsibility of faculty members to inculcate effective learning methodology for students to understand various engineering concepts and to develop their interest in the subject. To accomplish this, faculties need to be creative, innovative and to be in touch with latest advancement in field. Their approach of teaching / learning activities should possess holistic idea about the subjects they are teaching which requires some level of research competencies.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.2.
Link for Additional Information	View Document (https://sstc.ac.in/researchdeveop/redev6.php)

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Answer:

Shri Shankaracharya Group of Institutions (SSGI), SSTC Bilai, has established **Innovation and Entrepreneurship Development Centre (IEDC)** with help of NSTEDB, Department of Science and Technology (DST), Govt. of India. **It is the only center of its kind in state of Chhattisgarh.** The mission of IEDC is to "develop institutional mechanism to create entrepreneurial culture in academic institutions to foster growth of innovation and entrepreneurship among faculty and students". Under the mission of IEDC, SSTC has established **Business Incubator (BI)**. Every year five innovative student projects are supported and guided by established IEDC. The projects are open to both UG and PG students; projects must have innovative idea that results into a product, which must be marketable. **The projects (/products) supporting social cause are preferred, which may be multi-disciplinary in nature.** The faculty members of SSGI can act as mentors (project guides) for these projects.

Objectives/Functions of the IEDC:

- To act as an institutional mechanism for providing various services including information on all aspects of enterprise building to budding S&T entrepreneurs.
- To create Entrepreneurial culture in the Parent Institution and other institutions in the region and to promote the objectives of NSTEDB, including programmes related to women and weaker sections of society.
- To inculcate a culture of innovation driven entrepreneurship through student projects.
- To catalyze and promote development of S&T knowledge-based enterprises and promote employment opportunities in the innovative areas.
- To respond effectively to the emerging challenges and opportunities both at national and international level relating to SMEs and micro enterprises.
- To organize Entrepreneurship Awareness Camps, Entrepreneurship Development Programmes, Faculty Development Programmes and Skill Development Programmes in colleges/institutions.
- Prospective entrepreneurs can get guidance and assistance on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies/ support system, information on technologies, etc.
- To arrange expert lectures and interaction with entrepreneurs and create a mentorship scheme for student entrepreneurs.

Business Incubator is recognized by MSME, New Delhi to promote emerging technological and knowledge based innovative ventures that seek nurturing of ideas from professionals beyond the traditional activities of Micro, Small & Medium Enterprises (MSMEs) and to support untapped creativity of individual innovators and to assist them to become technology based entrepreneurs. It provided Financial support of (@ Rs. 6.25 Lakhs Per Idea) towards Technology Fee, Infrastructure , Mentorship and Guidance etc.

SSTC has 1st Startup Hub fin the state of Chhattisgarh. SSTC provides Office Space for Business Operation, Internet, Furniture etc. and access to Lab Facilities in various disciplines for Research and Development of Product/ Processes, etc. It also provides manpower support to **Startups** through Student Internships and HR support for Recruitments. Also, the Mentorship opportunities with Qualified Faculty members of the Institutes and Local Industries are in place. Networking Opportunities with Other **Startups** within and outside state and with Other BIs across India is emphasised upon. The opportunities for funding from State and Central Govt. through various schemes are explored. The selected Ideas will be recommended for funding of MSME (Govt. of India) through BI.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/100591/7.3.
Link for Additional Information	View Document (http://sstc.ac.in/iedc.php)

Extended Profile

Programme

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

Answer: 39

Number of self-financed Programmes offered by college

Answer: 39

Number of new programmes introduced in the college during the last five years

Answer: 09

Student

Number of students year wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
3868	4114	4145	4284	4220

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

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
783	767	676	676	676

Number of outgoing / final year students year wise during the last five years**Answer:**

2016-17	2015-16	2014-15	2013-14	2012-13
1104	1089	1294	1251	1167

Total number of outgoing / final year students**Answer:** 1033**Academic****Number of teachers year wise during the last five years****Answer:**

2016-17	2015-16	2014-15	2013-14	2012-13
328	275	269	267	259

Number of full time teachers year wise during the last five years**Answer:**

2016-17	2015-16	2014-15	2013-14	2012-13
328	275	269	267	259

Number of sanctioned posts year wise during the last five years**Answer:**

2016-17	2015-16	2014-15	2013-14	2012-13
328	275	269	267	259

Total experience of full-time teachers**Answer:** 3537.39**Number of teachers recognized as guides during the last five years****Answer:** 45**Number of full time teachers worked in the institution during the last 5 years****Answer:** 361**Institution****Total number of classrooms and seminar halls****Answer:** 144**Total Expenditure excluding salary year wise during the last five years (INR in Lakhs)**

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
448.99	424.59	446.36	410.98	452.65

Number of computers**Answer:** 1410***Unit cost of education including the salary component(INR in Lakhs)*****Answer:** 0.3986***Unit cost of education excluding the salary component(INR in Lakhs)*****Answer:** 0.099**Conclusion*****Additional Information :***

SSTC has been recognized as centre of excellence by prestigious surveys such as Outlook Money, CSR-GHRDC Engineering College's survey, Business Management (Chronicle). SSTC has been awarded ISO 9001:2015 certification and follows quality norms in terms of curriculum delivery, teaching-learning process, student's holistic development etc.

Our institute is pioneer in this initiative by actively partnering with NPTEL Since June 2014. We are proud to announce that our students have performed stupendously well in various courses thus leading the institute to rank 20th among Top Local Chapters in Recent NPTEL Rating for Jan 2017 session.13 students of SSTC Local Chapter are among Toppers in various Certification Courses in Jan- April Session 2017.

It is said that even the biggest business becomes big without money but with a new idea. If you believe this then you too have opportunities to make it true. To explain the process of Startup Indian Government has given the position of checking body to the business incubator center running in technical Institutes in Bilai. SSTC, Bilai has established the First Business Incubator (BI) of Chhattisgarh under the scheme for support for entrepreneurial and managerial development of SMEs through incubators.

SSTC has number of centers of excellence such as SIEMENS, TCS, IBM, SAE, MICROSOFT IT Academy, PEARSON, etc. An active IEEE student branch is in place which conducts various activities regularly.

In order to ensure desirable moral and cultural development of our students we have a NSS unit awarded as one of the best by Affiliating University.

Concluding Remarks:

SSTC in a brief span of less than two decades has carved a niche for itself in the field of engineering, pharmacy and management education. Its superior attributes such as modern infrastructure and facilities, world-class curriculum, qualified and experienced faculty, tie-ups with industry and national organizations and collaborations with foreign universities have contributed to its overall excellence. As a consequence, most of its programmes has been accredited and reaccredited according to latest Washington accord by National Board of Accreditation.

SSTC has been recognized as a research centre in a 12 disciplines covering engineering, pharmacy and management and R&D policy provides a large number of incentives to faculty members with a view to encourage them to write quality research papers with industry output.

The progressive improvement in academic results the details of which are indicated in the main report, clearly reflect that quality education to our students over the past years have borne fruit. Most of the students have bagged the merit positions in the University which count approximately 60% of total positions.

The number of reputed companies which visit the campus for placement has been on the increase each year. Almost, full placements are achieved each year except for the students who join higher studies or start their own ventures.

We not only strive to train the students to become excellent scientists, technologists, thinkers and leader of the society but also help them to mould themselves into better human beings.

