Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**SHRI SHANKARACHARYA TECHNICAL CAMPUS (SHRI SHANKARACHARYA GROUP OF INSTITUTIONS)**
Name of the head of the Institution	**Dr. P. B. Deshmukh**
Designation	**Director**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**07024148633**
Mobile no.	**9893369869**
Registered Email	**sstc@sstc.ac.in**
Alternate Email	**shimpys@gmail.com**
Address	**Junwani, Durg.**
City/Town	**BHILAI**
State/UT	**Chhattisgarh**
Pincode	**490020**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. Shimpy Ralhan**
Phone no/Alternate Phone no.	**07024148633**
Mobile no.	**9300002989**
Registered Email	**shimpys@gmail.com**
Alternate Email	**singhs004@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://sstc.ac.in/AQAR-report-2018-19

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://sstc.ac.in/Academic-Calendar-2019-20-even

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.06**	**2018**	**26-Sep-2018**	**25-Sep-2023**

6. Date of Establishment of IQAC	**24-Apr-2017**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
No Data Entered/Not Applicable!!!		

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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View Link](#)
10. Number of IQAC meetings held during the year :	**2**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View Uploaded File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

- **03 UG Programmes, UG Computer Science Engineering, UG Civil Engineering, UG Electronics Telecomm. Engineering have been accredited according to new Washington Accord norms in 2019 for a period of three years till 2022, and UG Electrical Electronics Engineering, UG Electrical Engineering, UG Mechanical Engineering, UG Information Technology Engineering NBA Accreditation Status extended up to 30 June 2023 as per the compliance report.**

- **Institute has been recognized under Section 2 (f) of the UGC Act, 1956.**

- **Institute Ranked by NIRF 2020 under Engineering Category in the Rank Band of 251-300.**

- **AICTE & Internshala All India Rank 227 out of 2,700+ participating colleges across India and Zonal Rank 71 from all the participating colleges of North Zone in 2019.**

- **The volunteer of NSS unit of Shri Shankaracharya Group of Institutions, Ms. Priya Verma , Ms. Aishwarya Pandey and Mr. Atharv as Best Speaker in Bharti Chhatra Sansad (BCS), Vigyan Bhawan , New Delhi and unit received Best Unit Award at university level.**

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
No Data Entered/Not Applicable!!!	
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Governing Body	**28-Dec-2019**

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**Yes**
Date of Visit	**11-Nov-2019**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2020**
Date of Submission	**27-Jun-2020**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**EdRP (Educational Resource Planning) is an Information system of Shri Shankaracharya Technical Campus (SSTC) which enables and streamlines the educational workflow from the beginning of the session to the end. Educational Resource planning is an inhouse Management Information System inculcated with a learning management system allowing centralized management, teaching modules to track, generate reports, lecture management, student**

module to track their results and accounts. It is a centralized system that assembles the working of administration, various departments, and students in parallel. Few Salient Features of the EdRP are: • Enabled to facilitate information access for students, teachers, and management. • 24 x 7 availability anytime and anywhere. • Absolute control on institute process through automation. • Improved communication among students, teachers, staff and administration. • Simple and easy to use. Implementation of EdRP is done in three different modules: Administrative Module, Faculty Module and Student Module: Elearning refers to the use of electronic media and information and communication technologies (ICT) in education. Elearning is broadly inclusive of the all forms of educational technology in learning and teaching. The LMS contains iclasses provides learning tools, assessment tool, result analysis, and the rich Digital library with study resources: NPTEL (National Program on Technology Enhanced Learning) is a Government of India sponsored collaborative Education program. This program was initiated to develop a curriculum study circle which provides a curriculum based videos and web courses to enhance the quality of engineering education in India. To drag the trend to the edge our EdRP portal also includes features like elearning, iclasses, assessment of teaching learning tools and NPTEL video lectures as major components. In nutshell, EDRP at SSTC is for: • Centralization • Decentralized Management • Online notice board • Feedback • Faculty module • Lecture Management • Attendance and Assessment Module • Report generation and analysis • Online Payroll • Leave Record • Research profile • Students Module • Attendance tracking • Learning • Fee record • Library • Hostel Record • LMS • e learning through iclasses • Assessment Tests • Assessment Result • Digital Library • List of available books •Issue section •elibrary

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The Institute is affiliated to Chhattisgarh Swami Vivekanand Technical University (CSVTU) follows the curriculum prescribed by the university. 1. At the beginning of each academic session, college prepares its proposed academic calendar, which is uploaded in the college website. The proposed academic calendar is prepared according to the notices and circulars received from the affiliating university. Students are informed about the academic calendar of the college notifying the probable teaching days, dates of internal examinations, curricular, extension related and co-curricular activities. 2. Orientation programme is organized every year for newly admitted students to make them aware of the mechanism for curriculum delivery and implementation. 3. The concerned committee of the college prepares the master routine and circulates it to different Departments. Routine is prepared strictly in accordance to the number of credit points mentioned in the prescribed syllabus of each course offered by the departments. 4. Based on the Departmental calendar, departments conduct meetings for allotment of classes and syllabus distribution among the teachers. Students are given details of teaching assignment of each teacher at the beginning of a session by the department. 5. Based on the teaching assignments allotted in the syllabus distribution, teachers prepare their "teaching plans" according to the number of lectures allotted in the university syllabus for each topic 6. Along with the traditional chalk and talk method, teachers often use power-point projections during the lectures to demonstrate topics. 7. Class tests/surprise test and student seminars are held after completion of a section of the syllabus and periodic review of performance of students is undertaken 8. Tutorial classes are also held in all the departments within class hours. 9. Field tours and industrial visits are organized by all the Departments to ensure effective implementation of the prescribed curriculum. Students are specially trained to handle assignments, open-house seminars and dissertation to prepare them for academic research in future. 10. Interactive sessions with students and, sometimes with guardians are held to identify problem areas. Special care is taken to address the problems of slow learners, advanced learners and first generation learners. Social net-working sites are also used by some departments for interaction between faculty and students beyond the class hours. Shri Shankaracharya Technical Campus, Shri Shankaracharya Group of Institutions, Bhilai 1.1.1 – Programmes for which syllabus revision was carried out during the Academic Year The affilating University carried out the syllabus revision of B.Tech 1st Semester as per the guidelines of AICTE, India Name of Programme Programme Code Programme Specialization Dates of Revision B. Tech 37 Mechanical Engineering 31.08.2019 B. Tech 20 Civil Engineering 31.08.2019 B. Tech 24 Electrical Engineering 31.08.2019 B. Tech 28 Electronics & Telecommunication Engineering 31.08.2019 B. Tech 25 Electrical and Electronics Engineering 31.08.2019 B. Tech 22 Computer Science& Engineering 31.08.2019 B. Tech 33 Information Technology 31.08.2019

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Successful startup founders	Nil	29/12/2020	1	entreprene urship	entreprene urship
AWS	Nil	01/03/2020	30 days	employabil ity	Cloud expertise

Red Hat Academy	Nil	01/01/2020	30 days	employability	Working with linux
Cisco Networking Academy	Nil	01/01/2020	30 days	employability	Networking skills
Spoken Tutorial	Nil	01/01/2020	Overall Year	employability	Computer software skills
NPTEL	Nil	01/01/2020	Nil	employability	Programming skills

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Mtech	INFORMATION TECHNOLOGY (AI AND ML)	09/03/2020
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
Mtech	EE,EEE, Mechanical, Civil, ETC, IT, CSE	01/07/2019
MCA	E-Commerce (MCA-V semester)	01/07/2019
MBA	Marketing, Finance, Systems, Human Resourcs, Hospital management	01/07/2019
BTech	EE,EEE, Mechanical, Civil, ETC, IT, CSE	01/01/2019
BPharm	Pharmacy	01/01/2019
MPharm	Pharmacy	01/01/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	2118	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Value Education	01/07/2019	889
Health, Hygiene Yoga	01/01/2020	889
Personality Development	01/07/2019	883
Innovative Entrepreneurial Skills	01/07/2019	800
Managerial Skills	01/01/2020	883

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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
No Data Entered/Not Applicable !!!		

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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

The development of any institution heavily depends upon a well functioning feedback system. It requires a thorough preparation to initiate, launch and implement the feedback system. The institute has been practicing a feedback system accommodating all the stake holders including students, alumni, employers and parents, to help the individuals and organization as a whole, to improve the performance and effectiveness. Feedback is collected at Departmental and Institutional level in which the views on the curriculum, teaching schedules, teaching tools, infrastructure, faculty, and library, TP, and student assessment outcomes are discussed for taking improvement measures. STUDENT: The feedback from the students is obtained at the end of every month and overall Department at the end of the semester. When the feedback of a faculty is not encouraging, the concerned faculty is counseled by the Head of the Department to improve their performance. The teachers collect the exit level feedback from the graduates regarding the curriculum and teaching learning processes in the institution along with feedback on infrastructure and TP. FACULTY: The institution has made it a practice to conduct all faculty meeting, periodically, where the ways and means of enhancing the curriculum, academic discipline, Teaching Learning process, Research and Extension activities are debated and discussed. The appropriate suggestions are put forward to the respective departments for implementation. ALUMNI: As the alumni is found to be the brand ambassadors of our institutions, the feedback of the alumni is taken with due considerations. Our institution enjoys a strong and healthy association with the Alumni. A formal exit feedback is conducted by the Alumni association regularly at the end of completion at the institution. The consolidated feedback report is forwarded to the Director for taking cue of the positive performances and scope for improvement. PARENTS: As an important stake holder of this system, the parent feedback is also obtained and analyzed. Some of the parameters accommodated in the parents feedback, include Infrastructure of the institute, quality of teaching offered by the institute, student discipline in the institute, performance of your ward, training provided to students for over all development, overall progress of your war, medical facilities, hostel facilities, counseling guidance, canteen facilities, transport facilities, etc. The parents of the students whose performance in the continuous assessment test is poor are counseled individually and their feedback are also give due consideration. Thus the inputs are obtained from the

stake holders regularly and are further analyzed for the improvement of the overall competency of the students for employability. Principal conducts meeting with the HODs and the In charges to discuss the feedback of stakeholders. The suggestions related to curriculum and end semester exams are communicated orally to the University officials during various meetings.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	All Programmes	1080	968	922
BPharm	Pharmacy	100	102	92
Mtech	All Programmes	294	108	104
MBA	All Programmes	180	156	152
MPharm	All Programmes	23	11	9
MCA	Computer Applications	120	12	12
BPharm	Diploma in Pharmacy	60	61	59
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	3741	475	244	42	286

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
286	286	90	85	12	5
[View File of ICT Tools and resources](#)					
[View File of E-resources and techniques used](#)					

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The college has an independent system for the student support and mentoring wherein 10 students are allotted to each of the faculty members in the department as Mentors and each Mentor takes care of the

students/mentees as fosterparent by providing guidance, counseling and advice in any area of life, especially in academics as per the need expressed by the mentees. Mentoring of students is conducted by the departments of the institution. Mentoring of students is based on the following objectives: • To increase the teacherstudent contact hours • To identify and address the problems faced by slow learners and first generation learners • To encourage advanced learners • To decrease the student dropout rates • To prepare students for the competitive world Every year, First year faculty organize orientation sessions on the class commencement day for students of first semester and explain the designing and implementation of the mentoring system of the Institute. In the mentoring process, all necessary information related to the student such as the contact number, email of the student, family income, category, gender, previous results, etc. are initially collected by the department through the student database format. Departments maintain the records of class tests, attendance records, records of student seminars, etc. related to the reviewing of the performance of the students. Departmental teachers maintain interaction with students through individual meetings, social networking sites and interaction boards of learning management system. Teachers discuss with parents during parentteacher meetings and try to identify the problems faced by students and related issues. In all the departments, tutorial classes are also organized for students. Outcome of the departmental mentoring system in the current year (20182019): 1. Significant improvement in the teacherstudent relationship has been observed. 2. Students of (20182019) batch have qualified in many examinations and achieved significant all India ranks. 3. Students have participated and presented papers in national and international seminars. They have also won prizes in poster presentations, quiz competitions, debates and other similar contests organized by external agencies. 4. Students have been placed in IIT and other prestigious institutes for higher studies 5. Students have shown outstanding performance in sports tournaments. College has been declared as champion in different events of intercollege sports and games championship, intercollege athletic championship state sports and games championship. Faculties are available all the time to support and advice their students. The students are free to contact the faculties with a wide range of problems such as academic and personal problems, home, family, depression, anxiety and loneliness. Besides, the students are also encouraged to seek and meet their respective mentors at any time as per their need. Many students are benefitting a great deal from this programme.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4416	286	1:15

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
286	283	3	3	12

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. D.S.Raghuwanshi	Associate Professor	Best Unit-NSS, CSVTU, Bhilai
2019	Dr. Siddhartha Choubey	Associate Professor	Chhatra Vishwakarma award
2019	Dr. Swarnali Das Paul	Associate Professor	Young Acheiver Award
2019	Mr. Gyanesh Kumar Sahu	Nill	C.G Gaurav Sammaan
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
No Data Entered/Not Applicable !!!				
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The Question paper of all the Departments is set based on Outcome Based Education with levels of Bloom's Taxonomy specified. The attainment of Course outcomes is also calculated. • Continuous assessments of Projects through weekly reports. Students were required to mail their respective presentations to the guide one week before the final assessment • In some Departments, Class test – II was conducted open book and students used their text books and Class notes for writing the exam. • More number of Industrial Visits and STTPs are conducted. • After completion of the internal examination, the faculty evaluate the answer scripts and distribute to the students for doubt clarifications or re-correction. The faculty submits the re-corrected scripts to the examination branch and marks are displayed on the notice board. • Result review meetings are conducted with result analysis and the remedial actions for further improvements are arrived after discussion with faculty, HoD and Principal. • Upload of assessment marks in EDRP and subsequently communicated to parents.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The institution ensures effective time management and timeliness. It receives the university given timeline and adheres to it. In the beginning of the academic year, academic calendar is published by the institution for each semester which gives a time plan for the curricular activities for the students. The college carries out effective planning to stick to academic calendar. This allows the teachers and the students to space out their teaching and learning and regular assessment of the same. For the undergraduate program, the college conducts assessment of the students in three different components theory, practical and vivavoce. The pattern and the marks distribution of all the components is as per the university format. They are mapped with their respective course outcomes that are stated in the beginning of the course. Following the institution academic calendar, every department creates internal calendars to ensure timely delivery of syllabus. Every teacher follows agenda that is discussed and approved by the Head of their respective departments. The timeline created allows the students to complete the given syllabus in enough time. In any condition, the academic calendar is followed and respected by teachers of all departments. At the departmental level, heads of various departments conducts meeting with their faculty members for micro planning the upcoming session in line with the academic calendar of the Institute. Head of Department assigns the responsibility of each activity to the various faculty members. Various Club and sports Incharges also prepare their activity calendar for the current academic year.

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 in website of the institution (to provide the weblink)

https://sstc.ac.in/Academic-Course-Objectives-and-Outcomes

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students	Number of students passed	Pass Percentage

			appeared in the final year examination	in final year examination	
No Data Entered/Not Applicable !!!				
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://sstc.ac.in/load1

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
No Data Entered/Not Applicable !!!			
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Role of ICH guidelines in product development and product life cycle Management	Faculty of Pharmaceutical Science	03/05/2020
HOW TO CRACK PHARMACEUTICAL INTERVIEW AND RESUME WRITING	Faculty of Pharmaceutical Science	19/08/2020
Webinar on Quality Management System	Faculty of Pharmaceutical Science	05/09/2020
ONLINE WORKSHOP ON ENDNOTE- REFERENCE MANAGER	Faculty of Pharmaceutical Science	28/08/2020
HOW TO MAINTAIN ACADEMIC ACTIVITY DURING LOCKDOWN PERIOD	Faculty of Pharmaceutical Science	02/05/2020
Make-a-thon	EEE	27/01/2020
WMMDA- 2019 : Workshop on materials modeling for device applications	Applied Physics	18/02/2019
Python Programming	IT	01/06/2020
Women Empowerment Awareness on safety and legal Issues	IT	24/08/2019
Motivational Leasership Skill	IT	31/08/2019
State Level Quiz	IT	28/12/2019

Competition		
HackaThon 3.0	IT	26/02/2020
COVID-19 Survey Awareness Questionnaire	Faculty of Pharmaceutical Science	30/07/2020
Pharmacovigilance-Global Industry Setup and Future Perspectives	Faculty of Pharmaceutical Science	27/07/2020
ICH GUIDELINES FOR STABILITY STUDIES)	Faculty of Pharmaceutical Science	09/05/2020

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
How to enhance the income of village	K. Sai Rajesh / Dr. Siddhartaha Choubey	Chhatra Vishwakarma Awards – 2019, AICTE	20/12/2019	Innovation
Advances in drug delivery	Varsha Saxena, Bhushan Verma	Columbia Institute of Pharmacy	Nill	research paper
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
4	15	14

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Computer Science Engineering	2
Applied Physics	6
Electronics Telecommunication Engineering	1
Electrical Electronics Engineering	1
Electrical Engineering	1
Pharmacy	1

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
No Data Entered/Not Applicable !!!			
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
No Data Entered/Not Applicable !!!	
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	54	146	39	13
Presented papers	16	4	0	0
Resource persons	2	10	2	1
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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
State NSS Camp 1	Dept of Higher education Govt, of CG	1	5
Unit Camp Seven Day	CSVTU	15	75
SVEEP	Election Commission of India	20	150
EBSB	GOI, Ministry of Youth Affairs and Sports	5	70

Python Programming	SSTC Bhilai and Spoken tutorial IIT Bombay	2	40
Women Empowerment Awareness on safety and legal Issues	TEQIP III , CSVTU,Bhilai	2	80
Motivational Leasership Skill	TEQIP III , CSVTU,Bhilai	1	80
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
est Volunteer Award NationalNational Service Scheme	National NSS Award	GOI, Ministry of Youth Affairs Sports	1
Best Volunteer Award National Service Scheme	State NSS Award	Dept. of Higher Education , Govt of CG	1
Best Unit Award National Service Scheme	University Award	CSVTU	1
Innovation Solution/Prototype	State Award	AICTE	2
Chhattisgarh Gaurav Award -2019	State Award	SRCF	1
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Aids Awareness	Government Scheme	Aids Day,Rally,Poster competition	5	30
Swachh Bharat	Government Scheme	Swachh Bharat Summer Intership	2	10
Unnat Bharat Abhiyan	Government Scheme	Digital Survey, Awareness Programs	10	80
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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration

Research Project	Vishal Thakur & Narendra Kumar, Swami Vivekanand Govt. College, Ghumarwin, Himachal Pradesh	TEQIP-III, Chhattisgarh Swami Vivekanand Technical University, Bhilai	270
Training on Materials Modeling	Mr Bhanu Chettri, Pachhunga University College, Mizoram India	Self	30
Collaborative Research	3	TEQIP-III , Through Chhattisgarh Swami Vivekanand Technical University, Bhilai(C.G.)	450
Collaborative Research Project	2	TEQIP-III , Through Chhattisgarh Swami Vivekanand Technical University, Bhilai(C.G.)	365
Project Internship	Litmus world	Internhip cum recruitment	180
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Research-work	Sharing of research facilities	Lucknow University UP	01/01/2020	11/01/2020	Mr Rahul Tripathi Ms Mahnaz Fatima
Research-work	Sharing of research facilities	Pachhunga University College, Mizoram India	01/01/2020	31/01/2020	Mr Bhanu Chettri
Research-work	Project work	Swami Vivekanand Govt. College, Ghumarwin, Himachal Pradesh	01/02/2019	30/09/2020	Vishal Thakur Narendra Kumar
Academic	Industrial	NSPCL	05/10/2019	05/10/2019	114

Academic	Vocational Training	SAIL (BSP),NTPC,BHEL,BARC,CSEB	01/07/2019	30/07/2019	226
Academic	Training	MSME Centre msmetcdurg@gmail.com, 9438081475	03/08/2020	03/09/2020	60
Academic	Internship	Jayaswal Neco	27/08/2020	11/09/2020	150
Academic	Training	Focus Academy	14/05/2020	14/06/2020	250
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Prof. Ravindra Pandey, Chair, Department of Physics, Michigan Technological University, Houghton, Michigan, USA.	31/10/2019	Research activities	60
Prof. Rodrigo Garcia Amorim, Professor of University Federal Fluminense-UFF, Instituto de Ciencias Exatas, Departmento de Fisica, Brazil.	22/10/2019	Research activities	2
Dr Anjali Avadhiya, Department of Physics, Government Nagarjuna Post Graduate (Autonomous) College of Science, Raipur (C.G.)	20/05/2019	Research activities	100
Dr. Manwendra K Tripathi, Head Department of Metallurgical and Materials Engineering, NIT, Raipur, C.G., India.	24/10/2019	Research activities	2

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
90	42.37

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
No file uploaded.	

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
EDRP	Fully	2.0	2005

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others

Existing	2685	44	200	2	3	19	14	200	63
Added	100	0	0	0	0	2	0	0	0
Total	2785	44	200	2	3	21	14	200	63

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

200 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
EDRP	http://182.71.130.11/edrpsstc/
SSTC DVC	http://192.168.0.250/sstcdvc
SSTC Studio	-----

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
260	258.04	500	497.88

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Mechanisms for Maintenance of Buildings and Other Infrastructural Facilities Matters concerning the maintenance of buildings and infrastructural facilities, including cupboards in the walls and name plates etc. The HODs are the in charge and will make a requisition to the Director which will be forwarded to the Purchase or/and Site office. The Site Office, on receiving the requisition shall enter the requisition in the register provided for the same. After this, he will discuss this with the Director, Secretary and Correspondent, takes their approval and attends to the work at the earliest possible time. For items of works costing more that Rs.10,000/-, estimates will be submitted along with quotations. Action taken shall be recorded in the register. Requisition should be sent at least one month in advance, except in emergencies. Regarding furniture, a requisition shall be made to the Director by the HODs/in-charges it will be forwarded to Site Office. It shall maintain a register where the requisitions and records the actions taken are entered. Each furniture item in the Institute shall have an identification number. The following registers shall be maintained for the above • Requisition form and register • Complaints register and file • Sweepers — log book/log sheets • Scavengers — log book/log sheets • File for work assignments — sweepers and scavengers. • Laboratories - Maintenance Utilization • Preventive maintenance is followed. • Additional experiments are designed to utilize all the equipment available in the lab. • Periodical checkups and calibration of equipment in all laboratories. • Depending on the experiment, one, two or a maximum of three students perform a single • experiment with common set of apparatus. • Stock verification is being conducted in all laboratories every year.

https://sstc.ac.in/

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	**MINORITY SCHOLARSHIP**	**26**	**676000**
Financial Support from Other Sources			
a) National	**STATE SCHOLARSHIP**	**730**	**18703400**
b)International	**NA**	**0**	**0**
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
No Data Entered/Not Applicable !!!					
[View File](#)					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
4	**4**	**1**

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
No Data Entered/Not Applicable !!!					
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	62
Civil Services	12
CAT	38
GRE	2
TOFEL	4
Any Other	16

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
SAAMVID 2019	National level	4000
MAKE-A-THON	National level	350
Hackathon	National level	300
Sports and culture activity	State	250
NATIONAL PHARMACY WEEK	State	30
ONLINE QUIZZ COMPETITION	State	300

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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)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Medal	National	Nill	7	Nill	Nill
2019	Medal	International	Nill	2	Nill	Nill

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

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, vicepresident, 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.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

https://sstc.ac.in/Alumni-Association-Registration-Details
https://sstc.ac.in/placements/alumnireg https://sstc.ac.in/alumnimeet_mba

5.4.2 – No. of enrolled Alumni:

4510

5.4.3 – Alumni contribution during the year (in Rupees) :

200000

5.4.4 – Meetings/activities organized by Alumni Association :

• Alumni Interaction with ongoing students is a regular practice • Guest Lectures on regular basis • Placements and internships for the students are provided with Alumni help • Yearly Alumni meet 2019

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The Institution follows the Professional Management approach in managing the Institution. The Professional Management aims at implementing the concept of innovativeness in managing the academic and administrative matters. The Institution always believes in the practices of decentralisation and participative management. Practice of Decentralisation is having own significance in the management. It reflects the policy decision making, planning and administration, and office management. Management and Administration is responsible for quality initiative to promote education to all sections. The Institution enhances the quality at various levels - Management, Governing Body, Academic Council, Director, Vice-Principal, IQAC Committee, NAAC Committee, Various Committees, Academic Staff Welfare, Administrative and Non-teaching Staff, NSS, all the stakeholders involve in the decentralisation and participative management all are working together for efficient functioning of the Institutions. The Director, Heads of the Departments, teaching and non-teaching faculty along with student union members, class student representatives together concentrate on fostering the progress of institution by sharing the responsibilities and participate growth of institution and to act according to the aims and objectives of the Institution. 1. Director Level Director is the chairperson of the IQAC. The Director in consultation with the Teachers of different committees for planning and implementation of different academic, student administration and related

policies. All academic and operational policies are based on the unanimous decision of the governing body, the IQAC and the faculty of the college. • Internal Quality Assurance Cell (IQAC) • Library Management Committee • NSS Committee Extension Activities Students Welfare Committee • College Council • Industry Institute Cell • Prospectus Committee • Proctorial Board Anti Ragging/Grievance Redressal Committee • Website Development committee • College Annual Magazine Committee • Master Time-Table Academic Calendar Committee • Alumni Association Monitoring Committee • Students Grievance Redressal Committee • Internal Complaints Committee For Women's Safety Security Committee • Professional Activities Committee • Sports Committee Educational Tours, Result Analysis, Students Seminar and project committee government body for the session 2019-20. 2. Faculty level Faculty members are given representation in various committees/cells nominated by the Director and the Governing body, in the IQAC and other committees. Every year, the composition of different committees is changed to ensure a uniform exposure of duties for academic and professional development of faculty members. Following are the different sub-committees which have been nominated by Director and Placement and career counselling cell. • Discipline committee • College Infrastructure Cleanliness, Girls Common Room ,Water Supply maintenance cell • Class Room Mentors • Teacher- Parent Meet Committee • Examination (University College Level)Committee • Health Centre Committee 2. Student level Students, with due guidance from faculties, manage various Students Departmental Societies like Idea Innovation Club, Sports Recreation Club, Arts Cultural Club, Event Management Club, English Club, Photographic Club. A multitude of activities/events are organized under these students clubs Operational level: The Director and faculty members interact with government and external agencies faculty members maintain interactions with the concerned departments of affiliating university. Students and office staff join hands with

6.1.2 – Does the institution have a Management Information System (MIS)?
Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Library, ICT and Physical Infrastructure / Instrumentation	The institute has are of the best infrastructure among technical education institutions in Chhattisgarh. Its library is very rich in terms of books and journals, ready space, elibrary, news papers and magazines, anti plagiarism software, extended timings, etc. The institute has sound ICT base with high speed internet, Wi-Fi, smart class room, studios, etc. Laboratories here are well equipped with replacement of obsolete equipment as a regular feature.
Human Resource Management	• The governing body of the Institute provides complete autonomy to the college which is evident from the highly decentralized and empowered working of various departments. This includes granting authority at various levels in the college right from the independent decision making at various

	committee levels to the heads of various departments and further extended to the Director for the day to day operations. • Management of SSTC has empowered its faculty members at all the levels of the organization. The participation of teaching faculty in the governing bodies of institution has been allowed and encouraged, bearing in mind the need to keep the size of the body within reasonable bounds. • The Institute has formed various committees and responsibility is given to the members. These committees are supported by the top management, to promote academic leadership.
Industry Interaction / Collaboration	The institute interacts and collaborates with the industries on a continuous basis with an objective of training and internship of students, gaining knowledge on latest technologies, placement, employer's feedback etc. The institute not only continued with the partnerships entered in to with industries in previous years and also signed number of new MOUS in the year. The Business Incubator and start-ups active at the institute are other channels of constant interaction with the industries.
Curriculum Development	• The institution follows the curriculum prescribed by the affiliating University, Chhattisgarh Swami Vivekanand Technical University (CSVTU). • A number of faculty members of the institute are on the board of studies (BOS) of the university and actively involved in development and enrichment of curriculum. The faculty members of the Institute are either Chairman or Member Board of Studies in various disciplines. SSTC plays a significant role in the formulation of the curriculum. • In the academic year 2019 -2020, B. Tech syllabus of first year has been revised based on the guidelines of AICTE. • The institution develops action plans for effective implementation of the curriculum prescribed by CSVTU. • In the beginning of the academic year, the committee headed by Principal prepares an academic calendar with the consultation of heads of various departments. •Lesson plans and course files are maintained by each faculty for their respective subjects and are reviewed on

		a continuous basis by the HOD. •EdRP is used by students and faculty for academics in all aspects.
	Teaching and Learning	teacher- centric. It makes use of innovative pedagogical techniques that combine the theoretical with the practical. The pedagogy here includes role plays, debates, laboratory experimental learning , mini projects and case studies problem based learning etc, with the aim to not only sharpen critical understanding of a subject but also to understand its interface with a charging world. The institute is providing the facilities of MOOC courses through NPTEL, spoken tutorial project of IIT Bombay to its students which is enriching their learning here.
	Examination and Evaluation	Evaluation of students is carried out periodically as per the university norms. Class Tests are conducted and assignments are given periodically to assess their understanding of theoretical and practical subjects. Multiple written assignments (class/home) are arranged for students to help them enhance their writing skills, prepare for examination and improve their performance. Other kinds of creative evaluative strategies, like oral tests, quizzes, objective tests are also used. For both assignments are projects, students are encouraged to explore and research on topics beyond the curricula. They are also encouraged to make presentation in their topics to help them improve their presentation skills and confidence. Mid semester examinations are conducted in special cases. University conducts end semester examination at the end of the semester.
	Admission of Students	Admission process is administered by the state government for majority of the seats in which the institute remained the top choice of students as in previous year. For remaining seats, the admission was done strictly on merit basis at the institute level.
	Research and Development	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 Institute also has a RD Committee to promote research, maintains the record of research activities in the institute and monitors the various funding agencies website, identifies the call for sponsored project proposals, deadlines etc. The RD committee is headed by a Prof. Incharge and other faculties as members. Major initiatives that drive research activities among students are: 1. Organizing Conferences on research initiation – An IEEE international conference is organized in 2019-2020 to promote research culture and it is planned to make it a flagship conference of the institute. 2. Organizing workshops to help prospective PG students to prepare and identify viable research areas. 3. Faculty Development Programs are conducted on upcoming technologies to provide a platform for exploring the research areas in the same.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Planning and Development	• Planning and Development: To use ICT in the process of planning college-events and activities, institute uses EDRP to post notices .Important notices and reports are also circulated via this. • E-governance is the integration of Information and Communication Technology in all the working processes of the system. It aims to minimize the manual efforts and improve the communication, create transparent system, and to be cost and time effective. To facilitate the same college is using in house developed EDRP with Student, Examination, Finance Accounts, Employee, and Library Modules.
Administration	To achieve the target of Paperless MIS, the institute started using Google facilities like ? Google sheet: - For data collection from Various Departments. ? Google Docs: - To prepare notices and activity reports. ? Google Forms: - To prepare Feedback forms and get online feedbacks of Students, Parents. ? Google Drives: - To keep all department data. • The college has Biometric attendance for teaching and non-teaching staff. • The college campus is equipped with 25 CCTV

	Cameras installed at various places of need. • For surveillance access of CCTV camera by Director and college authorities, application is available on computer. • ICT has been introduced in the Administrative work. • WhatsApp Group helps to provide the brief notices of any event in college. • WhatsApp Groups are also used for awareness and of smooth functioning.
Finance and Accounts	The finance and account activities at the institute are using e-governance in a big way. These include making online transaction, online fee collections, online payment to vendors and other agencies, fee payment reminder to students, salary disbursal to staff, etc.
Student Admission and Support	Student admission for the year 2019-2020 is partially implemented online. The EDRP is developed so as to fulfill the need of Student admission and Support. As the admission process is semi-online, admission forms are also provided. Students submit printouts and required documents at respected counters. The software is also used for student support like issuing • Transfer Certificate • Admission Forms • Issue of I Cards, Library cards, etc. through EDRP.
Examination	The process of examination uses egovernance considerably. Activities line examination form filling is online. The evaluation end-semester examination is done digitally online tests are conducted during campus recruitment drives. The examination system uses CCTV camera to have proper control. PhD. Viva voice are conducted through video conferencing .

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the	Title of the	From date	To Date	Number of	Number of

professional development programme organised for teaching staff	administrative training programme organised for non-teaching staff			participants (Teaching staff)	participants (non-teaching staff)
No Data Entered/Not Applicable !!!					

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
286	**286**	**201**	**201**

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
College initiatives towards the welfare of its staff and faculty include the following: •The institution administers a contributory Provident Fund scheme, HRA, Gratuity benefits, Group Insurance Benefits, Health Care Benefits etc •Provides medical facilities Grants special leave and reimburses registration fee against faculty development programmes •Organizes need based training programmes for faculties. •Encourages up gradationin education by granting study leave. •Financial Reward Scheme for the faculty members for publication of research paper in National/International Journals. Institute recently started monthly medical allowance to the	**College initiatives towards the welfare of its staff include the following: •The institution administers a contributory Provident Fund scheme, HRA, ESI benefits, Gratuity benefits, Group Insurance Benefits, Health Care Benefits etc •Provides medical facilities to all staff members. • Organizes need based training programmes for staff. • Encourages up gradation in education by granting study leave. •Organizes Computer literacy programmes for non teaching staff to motivate them to undertake self development. • Tution Fee waiver for wards of staff. • The Staff are entitled to benefits like casual leave, maternity leave, medical leave, earned leave and vacation**	**• Awards to meritorious students • Book Bank facility • Medical assistance to students • Tuition Waiver Scheme • Scholarship for economically weaker section • College provides TA/DA to players which include expenses for special diet as per their requirement. • College team is provided with sports kits which include uniforms and other requisite materials**

faculty. •Tution Fee waiver for wards off aculty . •The Faculty are entitled to benefits like casual leave, maternity leave, medical leave, earned leave and vacation in accordance with the rules.	in accordance with the rules.	

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

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.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
SGES	500000	Student Welfare
No file uploaded.		

6.4.3 – Total corpus fund generated

200000

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Nill	Yes	Academic audit committee of the institute comprising senior members
Administrative	Yes	Nill	Yes	Administrative audit committee of the institute

				comprising senior members

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1. Regular meetings with the parents for the feedback to enhance the teaching learning process. 2. Discussions over the solutions of student specific problems. 3. Suggestions from the PTA for enhancing the employability of students are also incorporated.

6.5.3 – Development programmes for support staff (at least three)

1.Equipping and training them for the use of modern technology. 2.In respect of Technical Staff such as Lab Assistants, Lab Technicians etc., refresher Training Retraining Programmes are arranged in such technical areas, as required in view of changed curricula (Lab Practical) and also as suggested by the respective Heads of the Departments and functional heads. 3.Non-teaching staff is guided by the senior staff in the upkeep of the laboratories and handling the equipment. 4. Skill development programs are conducted for Nonteaching staff to update their technical knowledge and computing skills.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Institute Enhanced Placements of the Institute and received Notable Mention Award by AICTE and Internshala for Internships and Placements. 2. Institute applied for Autonomous status and visit of UGC team in October 2020. 3. Mentoring two technical and degree Institutions of Chhattisgarh.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	**Yes**
b)Participation in NIRF	**Yes**
c)ISO certification	**Yes**
d)NBA or any other quality audit	**Yes**

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!					
[View File](#)					

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Womens Day Celebration	**08/03/2020**	**08/03/2020**	**30**	**10**
Women's Empowerment Program with Durg Police	**28/08/2019**	**28/08/2019**	**65**	**12**
Self Defence	**04/02/2020**	**04/02/2020**	**35**	**20**

| Training | | | | | |

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Use of Renewable Energy: We have installed two numbers of solar plants of 81KW and 352 KW, respectively. Besides this, we have three DG sets of 125kVA each. From the above sources, we are able to get 33 percentage of total power requirement of the institute by the renewable energy sources. Energy Conservation: The Institute ensures energy conservation. The common areas in the college are illuminated with LED lights which lead to an energy saving of 35 percentage as compared to conventional lights. The old CRT monitors are being replaced with LCD monitors in a phased manner. Air-conditioners are used only at essential places with 5 star rating.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Braille Software/facilities	No	Nill
Rest Rooms	Yes	2
Scribes for examination	Yes	1
Special skill development for differently abled students	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
No Data Entered/Not Applicable !!!							
View File							

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Quality Document	01/01/2018	With the commitment to impart quality education and achieve Mission and Vision of the institute, keeping in view the short term and long term goals and developing the institute into a Centre of Excellence thus increasing the

| | stakeholders value. Guidelines for faculty, students and all other stakeholders on conduct and professional ethics is drafted. |

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			
[View File](#)			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

• **Water harvesting:** The rain water harvesting system has been implemented in the Institute, which has saved a significant amount of water loss. It maintains the campus ecology as the plants collect rain water and the recycled water meets most of the campus water requirements. • Implementation of MIS and use of E- Documents: It has become a practice to maintain the documents in soft copy by the in-house developed EDRP which is constantly improved to incorporate the day to day changing requirements. • Efforts for reducing Carbon Footprints: The institute has ensured carbon neutrality by using solar energy panels in different buildings to cater the energy requirements in the campus CFL/LED lights are used in the Institute which not only saves electricity but also compresses the carbon emissions that emit from tube light chokes. • Our unit is continuously working for the Swachhatta activity and spreading awareness for Plastic free India. The uses of Plastic bags are strictly banned in the campus. • Cycle rally named as Cyclothon 2020 was organised by our NSS unit with the motto of Fit India and Eco Friendly environment.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

The two best practices of the Institute are : • Effective Teaching learning process supplemented by Learning Management System of the Institute EdRP (Educational Resource Planning) is an Information system of Shri Shankaracharya Technical Campus (SSTC) which enables and streamlines the educational workflow from the beginning of the session to the end. Educational Resource planning is an inhouse Management Information System inculcated with a learning management system allowing centralized management, teaching modules to track, generate reports, lecture management, student module to track their results and accounts. It is a centralized system that assembles the working of administration, various departments, and students in parallel. Few Salient Features of the EdRP are: • Enabled to facilitate information access for students, teachers, and management. • 24 x 7 availability anytime and anywhere. • Absolute control on institute process through automation. • Improved communication among students, teachers, staff and administration. • Simple and easy to use. Implementation of EdRP is done in three different modules: Administrative Module, Faculty Module and Student Module: Elearning refers to the use of electronic media and information and communication technologies (ICT) in education. Elearning is broadly inclusive of the all forms of educational technology in learning and teaching. The LMS contains iclasses provides learning tools, assessment tool, result analysis, and the rich Digital library with study resources: NPTEL (National Program on Technology Enhanced Learning) is a Government of India sponsored collaborative Education program. This program was initiated to develop a curriculum study circle which provides a curriculum based videos and web courses to enhance the quality of engineering education in India. To drag the trend to the edge our EdRP portal also includes

features like elearning, iclasses, assessment of teaching learning tools and NPTEL video lectures as major components. In nutshell, EDRP at SSTC is for: • Centralization • Decentralized Management • Online notice board • Feedback • Faculty module • Lecture Management • Attendance and Assessment Module • Report generation and analysis • Online Payroll • Leave Record • Research profile • Students Module • Attendance tracking • Learning • Fee record • Library • Hostel Record • LMS • e learning through i-classes • Assessment Tests • Assessment Result • Digital Library • List of available books • Issue section • e-library 2. Implementation of Continuous Quality Improvement (CQI) for Various Activities of the Institute • To implement a protocol for continuous quality improvement of various activities of the Institute viz., Academic, Research Development, Financial Management, Administrative, Training Placement, Individual Growth Plan and Departmental Growth plan. • To inculcate the culture of CQI amongst various stakeholders of the Institute. • To take periodic review of CQI during various meetings of the institute: Supporting Documents from the BOG, Academic Council and other committees in institute. As per the philosophy of management, the CQI is useful in reducing waste, increasing efficiency, increasing the satisfaction level of internal (meaning, employees) and external (meaning, students and parents) satisfaction. It is an ongoing process used for evaluating the working process of organization and improving the processes based on the feedback. The implementation of CQI methodologies comes in the form of a method called Plan, Do, Check, and Act, or PDCA. PDCA steps are utilized on a loop, repeatedly, ever hoping to make its process better. In order to ensure excellent in performance with respect to various sectors viz., Academics, RD, Finance, Administration and Individual Departmental Growth Plan, well-defined policies are needed. By keeping this objective in mind, our Institute has set well- defined mechanisms to have proper implementation. The CQI methodology is implemented in various activities of the institute and the responsibility of implementation is assigned to respective administrative head of the activity. The sector wise implementation of CQI processes is given below: Academics Plan: Before the start of the semester, each course instructor sets Course Outcome (CO) targets. Based on the CO targets and CO-PO linking, HoDs set the targets for the Program outcomes (PO). Do: Course instructors teach the course based on the COs and perform the internal evaluations using the tools viz. Unit tests, In-Semester Exams, Lab Tests, Open book tests and Take home tests. Each of these tools is linked with CO and the questions are based on the Blooms Levels and Performance Indicators. After each tool evaluation, CO attainment is calculated. Check: Course Instructors, Class Coordinators and HoDs review the CO attainments after each of the tools with respect to the set targets. Act: Periodically actions are taken for improvement on CO targets. This involves improvement in teaching approach, taking additional practice, individual counseling of students for improving the performance, etc. Research Development Plan: At the start of the semester based on the strength of the department, department targets are set as per the key performance indicators such as Research Publications (SCI, Scopus/Web of Science/Conference), Funding Proposals, Consultancy, Patents, STTP/ FDP, Product Development, Books, etc. Do: With respect to the set targets, faculty members are encouraged and supported to attain the R D related targets of the Department. Check: HoDs take monthly reviews in the departmental meetings and quarterly review is taken in the statutory body meetings. Act: HoDs do the micromanagement for attaining the targets and Institute helps in suggesting on improving the targets in the quarterly meetings. Training Placement Plan: The database of the students is prepared. Accordingly, a plan related to the training programs and orientation sessions/programs is prepared. Do: The plan is executed as per the well-defined schedule. The activities viz., Group Discussion, Demo Mock Interviews and Demo Tests are conducted to evaluate students. Check: The feedbacks from the Industry persons are taken into consideration in order to receive suggestions for students' development. The

students are also assessed through performance in tests, campus drives, and interviews. Act: Individual counseling is done by the Training and Placement Officer. Special sessions from the industry persons are conducted to improve upon the students' overall performance with respect to the industry needs. Individual Growth Plan Plan: At the start of every semester, individual growth plans containing targets with respect to academics, societal and research activities (journal papers/conference papers/book/patents) and STTP/Workshops are collected from faculty members. Do: The faculty members are motivated for societal activities, upgrading qualifications, attending conferences, filing patents, etc., by providing financial assistance. Check: The review of individual growth plans is taken during the departmental meeting to track the status about the targets. Act: Faculty members are appreciated on achieving targets during the departmental meeting. Departmental Growth Plan Plan: Growth plans in respect of R D activities, consultancy, orientation courses, training and FDPs are collected in every academic year, from the departments. Do: In accordance with the Growth plans, targets are assigned to a particular faculty or a group as applicable, for its attainment. Check: These growth plans are reviewed at the department level, during departmental meetings and tracked during general meeting of all staff. Act: After reviewing the growth plans and progress related to it, the progress is appreciated. Administration Plan: Plan: In order to conduct all activities under various portfolios smoothly, committees consisting of faculty representatives are constituted at the start of each semester. Do: Committees work as per the guidelines/policies of their respective portfolios. Check: Dean Administration reviews committee reports about activities for each semester. Act: After reviewing the reports, Dean Administration instructs certain coordinators, in case of lacunas. For the smooth implementation of the CQI, periodic training of the processes is given to the respective stakeholders. At the start of the semester, a Faculty Orientation Program of two days is conducted where these processes are explained. In addition, at the department level, micro level training is given by the HoDs to faculty members. The HoDs also give orientation lectures to all the departmental students about the CQI process implemented in the department and its importance. On the academic front, Institute has excellent performance in University Results. Faculty members have published papers in reputed SCI/Scopus indexed journals and performance is incremental. Due to the proper financial management, the budget utilization is improved and underutilization of the sanctioned budget is reduced. Faculty members have upgraded their qualifications. Institute has good placement records. Departmental growth plans help in setting the targets and achieving them. As targets are assigned, faculty members/groups are motivated and have healthy competition amongst them. Because of the periodic review of the activities of sections under various portfolios, the smooth implementation is ensured.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
www.sstc.ac.in

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Business Incubator (BI): Under the mission of IEDC, SSTC has established Business Incubator (BI). 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. R D Activities: 1. Twelve Departments approved as Research Centre 2. Number of Ph.D Supervisors in the Institute are 28. 3. Number of students registered for Ph.D. in the Institute are 110. 4. As a research outcome one of the B. Tech final year student started and registered his company (Autologic Ltd) in 2019 . 5. Research Collaboration with Pachhunga University College, Mizoram India and Lucknow University UP India. 6. Research MOU with Michigan Technological University, Houghton, Michigan, USA, University Federal Fluminense-UFF and Instituto de Ciencias Exatas, Departmento de Fisica, Brazil. 7. Research projects to the tune of approximately 64 lacs have been sanctioned to the faculty by various funding agency. 8. Under IPR, number of Patents Published/ Granted are 6. 9. Consultancy Project of approximately Twelve lakh ten thousand have been carried out in the institute.

Provide the weblink of the institution
https://www.sstc.ac.in/

8.Future Plans of Actions for Next Academic Year

Institute has a perspective plan for the next academic year (2020-2021) in line with the mission of the Institute. The strategic planning is done in order to for each action planned so that expected outcomes can be achieved. Since the UGC visit for autonomous has been expected in September 2020. The future plan shall also depend on the correspondence from UGC. The future plan of action for the next academic year are: 1. In view of the technological development in the emerging areas, new UG and PG programmes to be introduced. 2. To constitute students awards for promoting Entrepreneurship and Sports. 3. To upgrade the Enterprise Resource Planning (ERP) in the Institute. 4. To strengthen the IT infrastructure of the Institute. 5. To strengthen the Innovation and Entrepreneurship culture in the Institute. 6. To strengthen the linkages with the Academic Institutions of National Repute.