Annual Quality Assurance Report (AQAR)

(For Autonomous Colleges)

2019-2020

By

SHAHEED BHAGAT SINGH STATE TECHNICAL CAMPUS

Moga Road (NH-95), Ferozepur-152004 (Punjab), India





राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bengaluru - 560 072 India

The Annual Quality Assurance Report (AQAR) of the IQAC (For Autonomous Colleges)

Institutions Accredited by NAAC need to submit an Annual self-reviewed progress report i.e. Annual Quality Assurance Report (AQAR) to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the IQAC at the beginning of the Academic year. The AQAR period would be the Academic Year 1st June 2019- 31st May 2020

Part - A

Data of the Institution

(data may be captured from IIQA)

1. Name of the Institution Shaheed Bhagat Singh State Technical Campus, Ferozepur

• Name of the Head of the institution : Dr. T. S. Sidhu

• Designation: Director

• Does the institution function from own campus Yes

Phone no./Alternate phone no.
 Mobile no.
 8288012001

• Registered Email director@sbsstc.ac.in

• Alternate Email deanacademics@sbsstc.ac.in

• Address : Moga Road, NH 95

City/Town : FerozepurState/UT : PunjabPin Code : 152004

2. Institutional status:

Autonomous Status (provide the date of Conformant of Autonomous Status): 29/07/2015
 Type of Institution: Co-education/Men/Women Co-education

• Location : Rural/Semi-urban/Urban: Rural

• Financial Status: Grants-in aid/ UGC 2f and 12 (B)/ Self financing

State Funded

(please specify)

Name of the IQAC Co-ordinator/Director:
 Phone no. /Alternate phone no.:
 Dr. T. S. sidhu
 01632-242138

• Mobile: 8288012001

IQAC e-mail address: deanacademics@sbsstc.ac.in
 Alternate Email address: sbs.academics@gmail.com

3. Website address: www.sbsstc.ac.in

Web-link of the AQAR: (Previous Academic Year):

4. Whether Academic Calendar prepared during the year? Yes

if yes, whether it is uploaded in the Institutional website: Yes

Weblink: https://www.sbsstc.ac.in/PDFs/July-Dec%202019.pdf

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 st	В	2.75	2015	from: 25 –06-2015 to: 31- 12-2020

6. Date of Establishment of IQAC: 28-08-2015 in 3rd Academic Council

7. Internal Quality Assurance System

7.1 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		
	24/01/2020 (9 th			
Promote Paperless Communication	IQAC)	150		
	24/01/2020 (9 th			
Modified Students Feedback performa	IQAC)	1223		
	First Half and			
	Second Half of			
Regular Meeting of IQAC	the year	1200		

<u>Note</u>: Some Quality Assurance initiatives of the institution are: (Indicative list)

- Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality
 Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for
 improvements
- Academic Administrative Audit (AAA) conducted and its follow up action
- Participation in NIRF
- ISO Certification
- NBA etc.
- Any other Quality Audit
- 8. Provide the list of Special Status conferred by Central/ State Government-

UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/		Funding	Year of award with	
Department/Faculty	Scheme	agency	duration	Amount

- **9.** Whether composition of IQAC as per latest NAAC guidelines: Yes (Uploaded in the website).
- 10. No. of IQAC meetings held during the year: 02

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website. Yes (Uploaded in the website).

(Please upload, minutes of meetings and action taken report)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? No

If yes, mention the amount: Year:

- 12. Significant contributions made by IQAC during the current year (maximum five bullets)
- IQAC's objective has always been to improve the academic performance of the institution and promote measures for institutional functioning towards quality enhancement.
 - A modified Student Feedback Performa was approved in 9th IQAC meeting and shall be applicable from Jan-May 2020 session.
 - Rubrics for the subject Mentoring and Professional Development were ratified in the 9th IQAC meeting. Faculty members are using theses Rubrics from July-Dec 2019 session.
 - Marks distribution of Non-Credit courses were finalized approved in 9th IQAC.
 - Introduction of Paperless communication in the Offices from Jan 2020.
 - Motivation to faculty for Promoting ONE DAY as Vehicle Free and Light Free.
 - Decision on staring of New courses (both AICTE and non-AICTE) from the session July 2020.
 - Disposing off the Old Records as per Swatch Bharat Abhiyan of Govt. of India.

.

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

Plan of Action	Achievements/Outcomes
To introduce Paperless Communication	The Institute is in the process of successfully
	implementing Paperless communication in all
	the departments.
To introduce New AICTE and non-AICTE	Dean Affiliation and Approvals has
Courses	completed the process of applying New
	courses both AICTE and non-AICTE.
To Promote ONE Day as Vehicle free and	The college is observing Wednesday as the
Light Free	Vehicle Free and Light Free Day
To dispose-off old records as per Swatch	A committee has been formed to dispose-off
Bharat Abhiyan of Govt. of India.	old records.

14. Whether the AQAR was placed before statutory body? Yes

Name of the Statutory body: Academic Council Date of meeting(s): 25-02-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning? **No**

Date:

16. Whether institutional data submitted to AISHE: Yes

Year: 2019-20 Date of Submission: 06-03-2020

17. Does the Institution have Management Information System? Yes

If yes, give a brief description and a list of modules currently operational. (Maximum 500 words)

The Institute has adopted a Management Information System for Academics, HRMS, Finance & Accounts and for grading students in examinations. The MIS has been used in practice to store student data such as personal data, Fee, Exam records and library details. There is an online system of filling examination forms by students in their logins and viewing of their results. Continuous Internal and external assessment is uploaded by faculty in MIS through their logins based upon which the performance of student's performance is analyzed. It also helps to view fee category wise student data, admission status for all classes, cast category wise statistical report, admission fee summary report, library status details etc. Apart from this it let you know exact status of admitted and vacant seats of any class. Details of fee collected, class wise, and fee category wise analysis.

The faculty and staff mark their attendance on Biometric system, their data, payroll and leaves are managed by MIS. The institute also promotes online system of fee management through payments of fee of students and receipt directly through their Institute logins.

The Institute has adopted a Management Information System for Academics, HRMS, and Finance & Accounts and for grading students in examinations. The MIS has been used in practice to store student data such as personal data, Fee, Exam records and library details. There is an online system of filling examination forms by students in their logins and viewing of their results. Continuous Internal and external assessment is uploaded by faculty in MIS through their logins based upon which the performance of students performance is analyzed. It also helps to view fee category wise student data, admission status for all classes, cast category wise statistical report, admission fee summary report, library status details etc. Apart from this it let you know exact status of admitted and vacant seats of any class. Details of fee collected, class wise, and fee category wise analysis.

The faculty and staff mark their attendance on Biometric system, their data, payroll and leaves are managed by MIS. The institute also promotes online system of fee management through payments of fee of students and receipt directly through their Institute logins.

The institute used the following modules of ERP

ACADEMICS:

Student data management

HRMS

Employee data management Biometric attendance, Leave Management Payroll

FINANCE AND ACCOUNTS

Fee Management Receipts and Payments

EXAM AND GRADING

Exam form filling, Conduct of exam Declaration of Result

CRITERION I – CURRICULAR ASPECTS

1.1 Curriculum Design and Development

1.1.1 Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Date of Revision
UG	CSE	30/07/2019
UG	ECE	01/07/2019
UG	EE	12/07/2019
UG	CHE	09/07/2019
UG	B.Sc. Agri	30.05.2019

1.1.2 Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Date of Introductin	Course with Code	Date of Introduction
ECE	09/07/2019	Workshop on Python Programming	08/11/2019 to
			09/11/2019
CE	09/07/2019	Mentoring & professional development(09/07/2019
		BMPD101B)	
ECE	09/07/2019	Mentoring and Professional	01/07/2019
		Development(BMPD-331-18)	
CE	14/01/2020	Mentoring & professional development(14/01/2020
		BMPD201B)	
		Surveying and Geomatics Lab (BTCE-	
CE	09/07/2019	306-18)	09/07/2019
		Fluid Mechanics Lab (BTCE-307-18)	
		Solid Mechanics Lab (BTCE-308-18)	
		Mentoring and Professional Development	
		(BMPD-301-18)	
		Training-I (BTCE-332-18)	
CE		Concrete Testing Lab (BTCE-406-18)	
		Transportation Lab (BTCE-407-18)	
	14/01/2020	Training-II	14/01/2020
		Mentoring and Professional Development	
		(BMPD-401-18)	
CE		Concrete Technology Lab (BTCE 505A)	

	09/07/2019	Transportation Engineering Lab (BTCE-	09/07/2019
		506A)	
		Training-II (BTCE507A)	
		Professional Skills-III (BTHU-501A)	
CE	14/01/2020	Computer Aided Structural Drawing II	14/01/2020
		(BTCE605A)	
		Geotechnical Engineering Lab	
		(BTCE606A)	
		Professional Skills-IV (BTHU601A	
CE		Software Lab (BTCE705A)	09/07/2019
	09/07/2019	Environmental Lab (BTCE706A)	
CE		Training –III (BTCE707A)	14/01/2020
	14/01/2020	Project-I (BTCE708A)	
		Project (BTCE804A)	
СНЕ	10/07/2019	HASS-II (BTHU-401B) to HASS-IV	10/07/2019
		(BTHU-601B)	
ME	09/07/2019	Professional skills BTHU-901A	09/07/2019
		Mentoring and Professional Development	
		BMPD 401-18	

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme/Course	Date of introduction
PG Diploma (Cyber Security)	Department has applied for both courses to University
B.Voc, (Data and Web Analytics)	Department has applied for both courses to University
Foundational Course in Humanities	01/07/2019
(Development of Societies or Philosophy)	
HSMC101-18/HSMC102-18	
Mentoring and Professional Development	01/07/2019
BMPD-331-18 & BMPD-341-18	
Universal Human Values – 2: Understanding	01/07/2019
Harmony HSMC122-18	
Environmental Sciences EVS-101-18	01/07/2019
Total Quality Management	09/07/2019
Internet of Things	14/01/2020

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

			Date of implementation		
Name of Programme			of CBCS / Elective		
adopting CBCS	UG	PG	Course System	UG	PG
B.Tech (Electronics and	UG		01/07/2019	UG	

Communications)			

1.3 Curriculum Enrichment

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

	Date of	
Value added courses	introduction	Number of students enrolled
Mentoring & Professional Development	01/07/2019	105
Technical aptitude and GK	01/07/2019	28
Mentoring & Professional Development	01/07/2019	16
Mentoring & Professional Development	01/07/2019	16
Professional Skills (BTHU-101A) - (BTHU-601A)	15/07/2019	33
Mentoring & Professional Development	01/07/2019	16
Professional skills	15/07/2019	90
NSS	01/06/2019	200

1.3.2Field Projects / Internships under taken during the year

Project/Programme Title	No. of students enrolled for Field Projects / Internships
Industrial Training	328
Survey Camp	102
Major Project (Final Year students)	18

1.4 Feedback System

1.4.1Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5)Parents
Yes	Yes	Yes	Yes	Yes

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

Feedback forms of a particular subject teacher are evaluated on the basis of marks given by the students and in case any improvement is needed proper action is taken. In case of teachers monthly meeting are conducted by head of the department for their feedback and needed measures are taken for development of institution.

The feedback collected from the students is anonymous. The data is analyzed by the Head of Department concerned and in case of any major finding from the feedback; the faculty members are provided necessary inputs for further improvement and corrective course of action. Hence, the faculty gets to know their weak areas and build upon these to provide a better teaching-learning experience. Feedback forms of a particular subject teacher are evaluated on the basis of marks given by the students and in case any improvement is needed proper action is taken. In case of teachers monthly meeting are conducted by head of the department for their feedback and needed measures are taken for development of institution.

Further, the overall academic, administrative, professional development and research contributions of every teacher are analyzed by the HOD and the Director once in a year and feedback from the teacher is obtained about difficulties and suggestions with regard to academic assignments /self growth. The feedback from alumni is also collected to get their suggestions for improvement of overall working of the department. Further, the feedback from designated faculty members, Industry persons and alumni is

obtained for revision of curriculum to keep the study scheme updated with new emerging technologies.

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1. 1 Demand Ratio during the year

Name of the	Number of seats available	Number of applications	Students Enrolled
Programme	Number of seats available	Received	Students Enroned
B.Tech. CSE	126	107	105
M.Tech CSE	18		
B.Tech ECE	63	11	11
M.Tech ECE	18		
B.Tech EE	63	21	15
B.Tech. CE	63	15	15
MCA	60	16	16
PGDCA	60	10	05
BCA	60	67	60
B.Tech. CHE	32	18	09
B.Arch.	20	12	09
B. Tech. ME	126	23	23
B.Sc.Agriculture	30	40	30

2.2 Catering to Student Diversity

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

Ye	ar	Number of	Number of	Number of full	Number of full	Number of
		students enrolled	students enrolled	time teachers	time teachers	teachers teaching
		in the institution	in the institution	available in the	available in the	both UG and PG
		(UG)	(PG)	institution	institution	courses
				teaching only	teaching only PG	
				UG courses	courses	
	2019-20	1202	25	88	06	08

^{2.3} Teaching –Learning Process

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

Number of	Number of	ICT tools and		Number of	E-resources
teachers on	teachers using	resources	ICT	smart	and techniques
roll	ICT (LMS, e-	available	enabled	classroom	used
	Resources)		classrooms	S	

102	97	LCD Projectors,Internet,	39	39	PPTs, NPTEL Video
		Laptop,NPTEL Video			Lectures-Library-Books
		Lectures, mobile/web			Software's, online data
		learning			bases, e-reference books,
					e-thesis, Swayam,
					Lectures through PPT,
					Using ICT enabled
					classroom for teaching,
					Using online LMS
					Platforms Google
					classroom, Zoom, Google
					meet

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

The faculty members of the department are assigned as Mentors of every batch/year. The mentors deal with the complaints/ grievances of students and ask suggestions about the departmental activities. Female faculty members are also assigned task as mentors to take care about the difficulties faced by girl students.

Mentoring System has emerged as a strong response to the plight of students at-risk. Departments at Shaheed Bhagat Singh State Technical Campus, Ferozepur offers a highly-efficient Mentoring system through which a group of students consisting of 12-15 students are assigned to a faculty member at the commencement of the program. Mentors meet their students and guide them with their studies and extracurricular activities. They also provide advice relating to selection of major, career guidance and personal problems. The mentors act as guides to the students during their summer and final projects. The mentoring system of all Departments ensures that the students adapt to the dynamic learning environment and lead their ways into highly successful careers.

Department has an integrated mentoring system where the faculty acts as a link between the students and the institution and perform the following functions-

Mentors are assigned to monitor and guide students all through the four years.

Mentors coordinate with the parents regarding the progress of the students.

Mentors also keep track of the mentees' performance during the Summer internship by continuous interaction with the industry guide designated to the student by the company.

Mentors communicate with fellow faculty and promote mentees at the time of difficulty / opportunity to help them develop further in their areas of interest.

Head of the Department also act as a mentor and monitor different activities of the assigned mentors and the students. The Academic Committee of the Institute discusses the mentoring related issues at least twice in a semester and revises or upgrade the system if necessary

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
1227	102	01 :12

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. off faculty with Ph.D
175	102	73	23	30

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

National, Inte	1	Government, re	ecognised bodies during the year)
	Name of fulltime		
Year of	teachers receiving		Name of the award, fellowship,
award	awards from state	Designation	received from Government or
awaiu	level, national level,		recognized bodies
	international level		
2019-2020	Dr Rajni	Professor	Appreciation letter received from Editor-in-Chief for
	(International		reviewing paper submitted to Journal of Engineering
	level)		Science and Technology (JESTEC, Malaysia (Scopus
			indexed)
2019-2020	Dr Rajni	Professor	Appreciation certificate for organizing One Week AICTE
	(National level)		sponsored on "Virtual Instrumentation in Academics,
			Research and Industry
2019	Dr Rajni	Professor	Received Certificate of Appreciation for delivering expert
	(National level)		talk on "Virtual Instrumentation in hazardous
			environment" in one week national level AICTE
			sponsored STTP on "Virtual Instrumentation in
			Academics, Research and Industry" held during 08-13
			July, 2019
2019-2020	Dr. Sanjeev Dewra	Associate	Appreciation as Reviewer of OPTIK-ELSVIER.
	(International Level)	Professor	
2019	Dr. Sanjeev Dewra	Associate	Appreciation letter for the successful conduct of AICTE
	(National Level.)	Professor	Sponsored STTP on VIARI-2019 as Co-Coordinator
			during July 08-13, 2019
2019-2020	Dr. Sanjeev Dewra	Associate	Editorial Board Member of different Journals like
	(National Level)	Professor	RTECS,IJCRCE,JTSSN
2019	Dr. Vikram Mutneja	Associate	Received Certificate of Appreciation for delivering expert
	(National level)	Professor	talk on "An Introduction to MATLAB Programming" in
			AICTE sponsored national level one week FDP on
			"Mathematical Methods and Computations in
			Engineering" during 01-06 July, 2019
2019	Dr. Vikram Mutneja	Associate	Received Certificate of Appreciation for delivering expert
	(National level)	Professor	talk on "Virtual Instrumentation" in one week national
			level Short Term Training Program on "Virtual
			Instrumentation in Academics, Research and Industry"
			held in Department of Electronics & Communication
			Engineering, SBSSTC, Ferozepur during 08-13 July,
			2019
2019	Dr. Vikram Mutneja	Associate	Received Certificate of Appreciation for organizing one

	(National level)	Professor	week STTP on "Virtual Instrumentation in Academics, Research and Industry" as Co-coordinator, during 08-13 July, 2019
2019	Dr. Vikram Mutneja (National level)	Associate Professor	Received Certificate of Appreciation for delivering expert talk on "Machine Learning and Associated Technologies" in national level AICTE Sponsored two week FDP on "Big Data Analytics using Machine Learning Techniques" during 09-20 December, 2019
2020	Inderjeet Singh Gill (from District Administration)	Associate Professor	Got appreciation letter from District Administration on republic day, 2020
2019	Inderjeet Singh Gill (Institute level)	Associate Professor	Got letter of appreciation from Director, SBSSTC, Ferozepur for organizing 5 th State Level Mega Job fair under Punjab Government initiative of "Ghar Ghar Rozgar" mission in November,2019
2020	Navdeep Kaur (from District Administration)	Assistant Professor	Got appreciation letter on republic day, 2020
2020	Navdeep Kaur (State level)	Assistant Professor	Got award in Punjab state youth festival at Chandigarh University Gharuan [30-31 January,2020]
2019-2020	Amit Grover (International)	Assistant Professor	Editorial Board Member of different Journals like IJRET, IJSER
2019	Amit Grover (National level)	Assistant Professor	Appreciation letter from the Director of the institute for the successful conduct of Two weeks Faculty Development Programme on BIG DATA ANALYTICS USING MACHINE LEARNING TECHNIQUES as Co- Coordinator During December 09-20, 2019.
2019	Amit Grover (Institute)	Assistant Professor	Received certificate of Appreciation from the Director of the institute for the successful conduct of Two Days Workshop on Python Programming as Co-Coordinator During November 07-08, 2019.
2020	Dr. Amit Arora	Associate Professor	Appreciation certificate from Minister of Technical Education and Industrial Training, Government of in the field of Cultural Activities, Blood Donation and Drug de addiction campaign for the year 2019-20 on Republic Day 26th Jan. 2020.
2020	Dr Lalit Sharma	Professor	Prabhat Gaurav Samman by Sindhu Prabhat News & CBG Edu International.
2019	Ms Anupam Mittal (National level)	Assistant Professor	Received Certificate of Appreciation for organizing national level AICTE sponsored STTP on "Virtual Instrumentation in Academics, Research and Industry" held during 08-13 July, 2019

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	Programme	Examination	Semester/Year	Last date of the last	Date of
Name	Code Session			semester-end/ year-	
				end examination	results of
					semester-end/
					year- end
					examination
			1 st Semester	26.12.2019	11.02.2020
		Nov./ Dec 2019	3 rd Semester	09.12.2019	13.02.2020
			5 th Semester	04.12.2019	28.02.2020
B. Tech.	ME	 	7 th Semester	03.12.2019	06.02.2020
B. Tech.			2 nd Semester		
		May./ Jun 2020	4 th Semester		
			6 th Semester		03.11.2020
			8 th Semester	07.10.2020	03.11.2020
	EE	Nov./ Dec 2019	1 st Semester	26.12.2020	11.02.2020
			3 rd Semester	09.12.2019	13.02.2020
			5 th Semester	04.12.2019	05.02.2020
B. Tech.			7 th Semester	03.12.2020	06.02.2020
		May./ Jun 2020	2 nd Semester		
			4 th Semester		
			6 th Semester		29.10.2020
			8 th Semester		30.10.2020
			1 st Semester	26.12.2020	11.02.2020
		Nov./ Dec 2019	3 rd Semester	09.12.2019	13.02.2020
			5 th Semester	04.12.2019	05.02.2020
B. Tech.	CE		7 th Semester	03.12.2020	06.02.2020
			2 nd Semester		
		May./ Jun 2020	4 th Semester		
			6 th Semester		03.11.2020
			8 th Semester	09.10.2020	03.11.2020

			1 st Semester	26.12.2020	11.02.2020
		N/D 2010	3 rd Semester	09.12.2019	07.02.2020
		Nov./ Dec 2019	5 th Semester	04.12.2019	05.02.2020
B. Tech.	ECE		7 th Semester	03.12.2020	05.02.2020
			2 nd Semester		
		May./ Jun 2020	4 th Semester		
		11205 11 2020	6 th Semester		29.10.2020
			8 th Semester	09.10.2020	30.10.2020
			1 st Semester	26.12.2020	11.02.2020
		Nov./ Dec 2019	3 rd Semester	09.12.2019	13.02.2020
		110111 201	5 th Semester	04.12.2019	05.02.2020
B. Tech.	СНЕ		7 th Semester	03.12.2020	06.02.2020
B. Teen.	CIL	May./ Jun 2020	2 nd Semester		
			4 th Semester		
			6 th Semester		03.11.2020
			8 th Semester	07.10.2020	30.10.2020
			1 st Semester	26.12.2020	11.02.2020
		Nov./ Dec 2019	3 rd Semester	09.12.2019	13.02.2020
		110111 201	5 th Semester	04.12.2019	05.02.2020
B. Tech.	CSE		7 th Semester	03.12.2020	06.02.2020
B. Teen.	CSL		2 nd Semester		
		May./ Jun 2020	4 th Semester		
		171ay., 5an. 2020	6 th Semester		03.11.2020
			8 th Semester	07.10.2020	30.10.2020
			1 st Semester	19.12.2020	11.02.2020
BCA	BCA	Nov./ Dec 2019	3 rd Semester	09.12.2019	07.02.2020
	2011		5 th Semester	06.12.2019	05.02.2020
		May./ Jun 2020	2 nd Semester		

		4 th Semester		
		6 th Semester	14.10.2020	30.10.2020
	Nov./ Dec 2019	3 rd Semester	05.12.2019	07.02.2020
МСА		5 th Semester	02.12.2019	05.02.2020
WICA	Mav./ Jun 2020	4 th Semester		
		6 th Semester	13.10.2020	30.10.2020
PGDCA	Nov./ Dec 2019	1 st Semester	19.12.2019	11.02.2020
PGDCA	May./ Jun 2020	2 nd Semester	14.10.2020	30.10.2020
P. Arah		1 st Semester	23.12.2019	11.02.2020
	Nov./ Dec 2019	3 rd Semester	12.12.2019	06.02.2020
		5 th Semester	12.12.2019	05.02.2020
		7 th Semester	15/07/2019	20.02.2020
		9 th Semester	15.12.2019	28.02.2020
D. Hen	May./ Jun 2020	2 nd Semester		
		4 th Semester		
		6 th Semester		
		8 th Semester		29.10.2020
		10 th Semester		30.10.2020
	MCA PGDCA B.Arch	MCA May./ Jun 2020 Nov./ Dec 2019 May./ Jun 2020 Nov./ Dec 2019 Nov./ Dec 2019	Nov./ Dec 2019 3rd Semester	Nov./ Dec 2019 3rd Semester 05.12.2019

2.5.2 Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year *Do not include re-evaluation/ re-totalling

Number of complaints or	Total number of students	Dorgantogo	
grievances about evaluation	appeared in the examination	Percentage	
16	1227	1.3	

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course out comes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

CSE	https://www.sbsstc.ac.in/dptCSengg.php?dept=%27CSE%27
ECE	https://www.sbsstc.ac.in/dptECengg.php
EE	https://www.sbsstc.ac.in/dptEEengg.php
CE	https://www.sbsstc.ac.in/dptCEengg.php
СНЕ	https://www.sbsstc.ac.in/dptCHengg.php

	ME		https://www.sbsstc.ac.in/dptMEengg.php				
	CA		https://www.	sbsstc.ac.in/CO.php			
Arc	chitecture		https://www.sbsstc.ac.in/dptArch.php				
2.6.2 Pass percen	tage of students	,					
Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final Semester /year examination	Pass Percentage			
CSE	B. Tech. (CSE)	117	116	99.14			
ECE	B.Tech (ECE)	28	28	100			
ECE	M.Tech (ECE)						
EE	B.Tech (EE)	17	17	100			
CE	B. Tech.(CE)	109	76	70			
MCA	MCA	8	7	87.5			
BCA	BCA	14	5	35.7			
PGDCA	PGDCA	10	7	70			
СНЕ	B.Tech(CHE)	10	6	60			
Architecture	B.Arch.	52	44	85			
ME	B.Tech (ME)	74					

Agriculture	B.Sc.	30	26	83.33
-------------	-------	----	----	-------

2.7 Student Stratification Survey

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

A feedback survey to assess the students' satisfaction on the curriculum, teaching learning processes and infrastructure is made. Opinion of all the students is collected using a questionnaire of structured feedback forms. Students' feedback is rated on 5-point scale from 1 to 5. There are a number of closed and open-ended questions in the feedback questionnaire. Most of the students are satisfied with the syllabus covered and the teaching style of the teachers. Students also find teachers fair in internal evaluation process. The teaching, mentoring process, Academics, placement and library facilitates, social and emotional growth is shown satisfactory. Students are satisfied with the illustrations of teachers for explaining concepts through examples and applications. Most of the students are fully satisfied with the teachers' identification of students' strengths and weaknesses to encourage them with providing right level of challenges. The students' feedback also shows that they also agree that the institution makes effort to engage them in the monitoring, review and continuous quality improvement of the teaching process.

https://docs.google.com/forms/d/e/1FAIpQLSd9IcfRHSqUZxNpk3teYnwR5w5488L1B4CwSFQWvpcR5pi7SA/view form

CRITERION III- RESEAECH, INNOVATIONS AND EXTENSION

3.1 Promotion of Research and Facilities

3.1.1 The institution provides seed money to its teachers for research,

YES (if yes give details) The institution provides seed money to its teachers for research but none of the faculty members have availed it during 1st June 2015-31 May 2016.

Name of the teacher getting seed money	The amount of seed Money	Year of receiving grant	Duration of the grant

3.1.2 Teachers awarded National/International fellowship for advanced studies/ research during the year

	Name of the teacher awarded the	Name of the	Date of	Awarding
	fellowship	Award	Award	Agency
		Marie		
		Skłodowska		
		Curie Fellow in		
		Aston institute of		
International	Dr Vishal Sharma	Photonics	18/09/2019	European Union
		technologies		
		(AiPT), Aston		
		University,		
		Birmingham, UK		

3.2 Resource Mobilization for Research

3.2.1 Research funds sanctioned and received from various agencies, industry and other organizations

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the Year
Major projects				
Minor Projects				
Interdisciplinary Projects				
Industry sponsored Projects				
Projects sponsored by the University/ College				
Students Research Projects (other than compulsory by the College)				
International Projects				
Any Other (Specify)				

- 3.2.2 Number of ongoing research projects per teacher funded by government and non-government agencies during the years
 - 1. Rs. 23.69Lacs sanctioned to PhD Research Scholar Ms Navjot Kaur under the guidance of Dr. Monika Sachdeva in 2015
 - 2. AICTE sponsored Short term training program of 1 week on "Virtual Instrumentation in Academics, Research and Industry" (sanctioned in 2018-19)
 - 3. AICTE sponsored MODROB project for "Up gradation of Optical and Wireless Communication laboratory" (sanctioned in 2018-19)

3.3 Innovation System

3.3.1 Workshops/Seminars Conducted on Intellectual Property Rights (**IPR**) and Industry Academia Innovative practices during the year

Title of Workshop/Seminar	Name of Dept.	Dates
Workshop on Python Programming	ECE	07/11/2019 -
		08/11/2019
Energy Environment problems and their solutions for sustainable development	EE	19/11/2019
Video lecture on 'Green Building to Green Cities'	CE	07/08/2019
Two day training programme on Energy Conservation Building	CE	29/08/2019 -
Code(ECBC 2017)		30/08/2019
Earthquake Resistant Design of Buildings	CE	28/01/2020
AICTE sponsored STTP on "Mathematical methods and	CHE	01/07/2019 to
Computations in Engineering"		06/07/2019

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

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
-------------------------	---------------------	-----------------	---------------	----------

m 1 1 1 5	SBSSTC,	CE	UTSAV 2K	.'19	15/10/2019	9, 16/10/2019	Technical	Events	
Technical Events		ad a4.	ISCE	- 040 d					
3.3.3 No. of incuba				batea (
Incubation Centre		Name	2			Sponsored B	y		
	_	NT 4	- CC/ / II			D + CC			
Name of the Start -	up	Natur	e of Start-U	Up Date of Commencement					
	_			_					
3.4 Research Publ									
3.4.1 Ph.Ds awarde			No. of Ph.Ds awarded						
Nai	Name of Department CSE				N		warded		
						02			
CI	ECE					01			
	mical Engineeri	_	1	LIC	O 1 1 1	2			
3.4.2 Research Pub	1								
	Department	No	o. of Publica	tion	A	verage impac	et factor, if any	7	
National	CSE								
International	CSE		06						
National	ECE								
International	ECE		05			1.36			
International	ECE		02		0.45				
International	ECE		01		1.20				
International	ECE		05		1.38				
International	CE		06						
International	CA		2						
	CHE		20	A . For SCI papers: 2.46				0.162	
International	CHE		20		B. For Scopus Indexed Paper(SJR): 0.162				
National	Architecture		03						
International	ME		25			0.	26		
National	AGRI		02		D 1				
3.4.3 Books an			ted Volum				d papers in		
National/Internation		Proce	eeaings per	i each		year No. of Publi	action		
	Department CSE					05	Cation		
	ECE								
						02			
	CE					02			
	MCA					01			
	CHE Analoise atoms					2			
2.4.4.D	Architecture	• 41	1			02			
3.4.4 Patents publis				D-4-	4 NT1		-4C A1		
Patent Detail Patent Status/Published Filed			Pate	nt Number	D	ate of Award			
		•	1 ' 41 1	4 4	1 '	1		1 .	
3.4.5 Bibliometric	-		_		-	based on ave	rage citation ii	idex in	
Scopus/ Web of S	cience or Pub M	ied/ In	idian Citatio	n Inde	X				
Title of Paper	Name of th	ne	Title of the	;	Year of	Citation	Institutional	Numb	
			<u> </u>					<u> </u>	

	Author	journal	Publication	Index	affiliation as mentioned in the publication	er of citatio ns exclud ing self citatio ns
Lung Cancer Detection on Computed Tomography Images Using Digital Image Processing Techniques	Dr.Gulshan Kumar	Journal of Advanced Research in Dynamical & Control Systems	2019		SBSSTC, Ferozepur	
An Approach for Facial Emotion Recognition Using Heuristic and Component Analysis	Dr.Gulshan Kumar	Journal of Advanced Research in Dynamical & Control Systems	2019		SBSSTC, Ferozepur	
A Survey of Deep Learning and Its Applications: A New Paradigm to Machine Learning	Dr.Gulshan Kumar	Archives of Computational Methods in Engineering	2019	4	SBSSTC, Ferozepur	4
Applications of Generative Adversarial Networks (GANs): An Updated Review	Dr.Gulshan Kumar	Archives of Computational Methods in Engineering	2019		SBSSTC, Ferozepur	
Assessment of ground water contamination by inorganic impurities in Ferozepur district of Punjab.	Gurjeet Kaur, Sangeeta Sharma, Umesh Kumar Garg	Asian Journal of Chemistry	2019	29	SBSSTC, Ferozepur	
Investigations on the role of YSZ as bond coat to enhance corrosion resistance of HAP for bio implant applications.	Shalinder Kaur, Sangeeta Sharma, Neeraj Bala	Protection of metals and physical chemistry of surfaces (Springer)	2019	0.68	SBSSTC, Ferozepur	
BER Analysis of Convolutional Encoded DWT- OFDM and coded	Simmi Garg, AK Sharma, Anand K. Tyagi.	Research & Reviews: Journal of Physics	2019		SBSSTC, Ferozepur	

FFT-OFDM under Different Simulation						
Conditions.						
Two Efficient	Simmi Garg,	IUP Journal of				
Schemes for	AK Sharma,	Electrical and				
Providing feedback	Anand K.	Electronics			an aama	
connection to	Tyagi.	Engg.	2019		SBSSTC,	
Recursive					Ferozepur	
Convolution						
Encoder.						
Investigation of	Richa, Anand	Int. Journal of				
optical and dielectric	K. Tyagi, DS	Scientific				
properties of Nickel	Ahlawat &	Research and	2019		SBSSTC,	
Zinc Ferrites	Amrik Singh,	Review			Ferozepur	
Synthesized at	_					
different pH values						
BER reduction in	Simmi Garg,	Research &				
DWT-OFDM	AK Sharma,	Reviews:			SBSSTC,	
systems using a	Anand K.	Journal of	2019		Ferozepur	
Novel Error	Tyagi.	Physics			1 610267 611	
Correction Scheme						
On dispersion and	Simmi Garg,	Int. Journal of				
Selection of	AK Sharma,	Emerging Tech.			SBSSTC,	
Quadratic	Anand K.	& Innovative	2019	5.87	Ferozepur	
Permutation	Tyagi.	Research			rerozepui	
Coefficients	7					
A Study on	Nidhi	International				
Investment	Aggarwal,	Journal of			SBSSTC,	
Objectives of	Raminder Pal	Research and	2019		Ferozepur	
Working Women in	Singh	Analytical			rerozepui	
Punjab		Reviews				
Usage of	Sunanda	International				
Technology and Job	Sharma,	Journal of			SBSSTC,	
Satisfaction of	Raminder Pal	Advance and	2019			
College Academic	Singh	Innovative			Ferozepur	
Faculty	~ IIIgII	Research				
Co-Curricular	Sunanada	International				
Activities of College	Sharma,	Journal of			SBSSTC,	
Academic Staff and	Raminder Pal	Management	2019		Ferozepur	
Job Satisfaction	Singh	Technology and			rerozepui	
	~ IIIgII	Eng.				
E-Had: A Distributed	NileshPatil, C.	Elsevier Journal				
and Collaborative	Rama Krishna,	of King Saud	•		SBSSTC,	
	Krishan Kumar,	University-	2019		Ferozepur	3
	Sunny Behal	Computer and			1 01020pui	
251 Zurij Detection of		compater and				

DDoSattacks		Information				
		Sciences,				
Distributed Denial of	Jasmeen Kaur	Journal of New				
Service Attacks: A	Chahal,	Review of			an aama	
Threat or Challenge	Abhinav	Information	2019		SBSSTC,	1
	Bhandari,	Networking			Ferozepur	
	Sunny Behal	8				
Novel Approach to	Anil Behal,	International				
Detect DDoS	Sunny Behal	Journal of				
Intrusion from		Research in				
Vehicular Ad hoc		Electronics and	2019		SBSSTC,	
Networks		Computer	_019		Ferozepur	
i (ot works		Engineering				
		(IJRECE)				
ACO optimized self-	Vishal Kumar	Journal of				
organized tree-based	Arora, Vishal	Ambient				
energy balance	Sharma, Monika		2019		SBSSTC,	11
algorithm for wireless	Sachdeva	Humanized	2019		Ferozepur	11
sensor network	Suchaeva	Computing				
A distributive,multi-	Vishal Kumar	International				
hop,adaptive,tree-	Arora, Vishal	Journal of				
based energy-	Sharma, Monika		2019		SBSSTC,	3
balanced routing	Sachdeva	Systems	2019		Ferozepur	3
approach	Sacrideva	Systems				
A multiple	Vishal Kumar	Soft computing				
pheromone ant	Arora, Vishal	Soft computing				
colony optimization	Sharma, Monika				SBSSTC,	
scheme for energy-	Sachdeva		2020		ŕ	3
efficient wireless	Sacrideva				Ferozepur	
sensor networks						
MCA	Gulshan Kumar	International				
An Analysis of	Guishan Kumai	Conference on				
Evaluation Metrics of		Information	2010		SBSSTC,	
GANs		Technology and	2019	2	Ferozepur	2
		Applications			-	
		(ICITA)				
An improved	Gulshan Kumar	The Journal of			CDCCTC	
ensemble approach for effective intrusion		Supercomputin	2020		SBSSTC, Ferozepur	
detection					rerozepui	
MLEsIDSs: machine	Gulshan Kumar	The Journal of				
learning-based		Supercomputing			CDCCTC	
ensembles for		,	2020		SBSSTC, Ferozepur	
intrusion detection					i ciozepui	
systems—a review	G .	3.6				
A comparative study	Sangeeta	Material	2010	2.70	SBSSTC,	
of corrosion	Sharma,	Chemistry and	2019	2.78	Ferozepur	
resistance of	Shalinder Virdi,	Physics			1	

biocompatible coating on titanium alloy and stainless steel.	Neeraj Bala					
Assessment of quality of soil in Ferozepur district, Ferozepur	Sangeeta Sharma, Samant Sharma, Amandeep Kaur	Pollution research	2019	21	SBSSTC, Ferozepur	
Biogenic synthesis of gold nanoparticles and their applications- A review	Amandeep Kaur, Sangeeta Sharma	Asian journal of chemistry	2019	29	SBSSTC, Ferozepur	
Synthesis, characterization and anti-bacterial activities of new bivalent complexes of transition metals.	Veenu Chugh, Rimpi Mehani, Sangeeta Sharma	Asian journal of Chemistry	2019	29	SBSSTC, Ferozepur	
Comparative study of enhancement of stainless steel alloy by plasma spray technique and biomimetic deposition	Shalinder kaur, Sangeeta Sharma, Neeraj Bala	Asian journal of chemistry	2019	29	SBSSTC, Ferozepur	
Study of enhancement of corrosion resistance property of stainless steel alloy by plasma spray technique and biomimetic deposition	Shalinder kaur, Sangeeta Sharma, Neeraj Bala	Protection of metal and physical chemistry of surfaces	2019		SBSSTC, Ferozepur	
Some novel anti- bacterial macrocyclic complexes for gram +ve and gram _ve bacteria.	Sangeeta Sharma, Rimpi Mehani Ne'e Chopra, Veenu Chugh	Oriental Journal Of Chemistry	2019	0.36,	SBSSTC, Ferozepur	
Environmental contaminant dyes: sources and effects	Narinderjit Kaur, Sangeeta Sharma and Ekta Khosla	Pollution Research	2020	18	SBSSTC, Ferozepur	
Binary cationic dyes- counter ion extraction by reverse micelles.	Narinderjit Kaur, Sangeeta Sharma and Ekta Khosla	Tenside Surfactants Detergents	2020	0.86	SBSSTC, Ferozepur	

Titanium-Niobium	Aditi & Anand	Int. Journal of				
Alloy Thin Films at	K Tyagi	Recent Tech. &				
Substrate	J6	Engg.				
Temperature		88				
(100C,200C and					SBSSTC,	
300C) using Field			2019		,	5.92
Emission Scanning			2019		Ferozepur	3.72
Electron Microscopy						
(DOI: 10. 35940						
/ijrte.B1534.0982S11						
19)						
Assessment of	Amit Arora, R.	Nature				
Annual Effective	Mehra, R.	Environment				
Dose from the Indoor	Garg, Anand K	and Pollution			SBSSTC,	
Radon in Bathinda	Tyagi	Technology	2019		Ferozepur	0.28
District of Punjab in	1 yagi	reciniology			i ciozepui	
India						
Studies on titanium	Neha Narang &	Materials Today				
oxide core,	Anand K.Tyagi	P (Elsevier				
transparent polymer	Alland K. I yagi	B.V.				
shell nanocomposite					an aama	
thin films (DOI:			2020		SBSSTC,	1.09
https://doi.org/10.101			2020		Ferozepur	1.09
6/j.matpr.2020.03.269						
0/J.matpr.2020.03.209						
)						
On the optimization	Simmi Garg,					
of number of sub-	AK Sharma,				SBSSTC,	
	Anand K.		2019		Ferozepur	1.517
Codes	Tyagi.					
Effect of Zirconium	Karamveer	Journal of				
Doping on		Materials				
Phase Development,	K Tyagi	Science and				
Structural, Micro-	11 1 7 4 6 1	Engg.				
structural and		51188.				
Dielectric Properties					SBSSTC,	
of			2019		Ferozepur	
Ba6(Ti1-xZrx)5O18					1 clozepui	
Ceramics Synthesized						
by Auto Combustion						
Method						
TYTCHIOG						
Synthesis,	Lalit Sharma	Tenside				
characteristics and		Surfactants	<u>.</u>	0.75	SBSSTC,	
Application of non-		Detergents	2020		Ferozepur	
ionic Gemini		Hanser,				
		<u> </u>				

Surfactants as Reverse		Germany				
Micellar systems for						
encapsulation of some						
□-amino acids in n-						
hexane.						
Synthesis of non-ionic	Lalit Sharma	Letters in				
Gemini Surfactants &		Organic				
study of their Micellar		Chemistry		0.723	SBSSTC,	
and Reverse Micellar		Chemistry	2019	0.723	*	
		D andh and			Ferozepur	
behavior		Banthem				
		Science				
Impact of	Sunanada	Think India				
Qualification on job	Sharama,	(Quarterly			SBSSTC,	
satisfaction and job	Raminder Pal	Journal)	2019		ŕ	
performance of	Singh				Ferozepur	
college academic						
staff						
Impact of	Leena Malhotra,	Indian Journal				
Government Policies	Rakesh Kumar,	of Social	2019,	_	SBSSTC,	
on Women	Raminder Pal	research	2017,		Ferozepur	
Entrepreneurs	Singh					
An Exploratory study	Leena Malhotra,	Our Heritage				
among women	Rakesh Kumar,	Journal			SBSSTC,	
entrepreneurs in	Raminder Pal		2020		ŕ	
selected area of	Singh				Ferozepur	
Punjab						
Hopf bifurcation	Dr. Rakesh	Mathematical				
analysis in a multiple	Kumar	Methods in the				
delayed innovation		Applied	2019-2020		SBSSTC,	
diffusion model with		Sciences			Ferozepur	
Holling II functional						
response Bifurcation analysis	Dr. Rakesh	Arab Journal of				
of a nonlinear	Kumar	Mathematical				
diffusion model:	Kumai	Sciences			CDCCTC	
Effect of evaluation		Sciences	2019-2020		SBSSTC,	
period for the					Ferozepur	
diffusion of a						
technology	D 1 1 77	T				
Experimental Study	Rakesh Kumar,	International				
on Condensation and	Arun Kumar	journal of			apaama	
Evaporation Rate	Asati & Rajesh	Management,	2019		SBSSTC,	
with Counter Flow	Sharma	Technology and			Ferozepur	
Liquid desiccant		Engineering				
Cooling System						
Nanoporous oxide	Anil Kumar,	Materials	2019		SBSSTC,	
surface obtained on	MK Kushwha	performance			Ferozepur	

titanium grade 5 alloy		and			
to analyze surface		characterization			
hardness and antiwear					
character					
Tribological	Anil Kumar,	Advanced			
behaviour of	MK Kushwha	science			
nanoporous anodic		engineering and	2019	SBSSTC,	
film obtained on		medicine	_019	 Ferozepur	
titanium grade 5 alloy					
Anodization Of	Anil Kumar and	Journal of			
Titanium Alloy	Manoj Kumar	Emerging			
(GRADE-5) And	Kushwaha	Technologies			
Influence Of Anodic	Tush wana	and Innovative			
Voltage And		Research,India		SBSSTC,	
Electrolytic		rescaren, mara	2019	 Ferozepur	
Concentration On				rerozepur	
Morphology And					
Aesthetic Appearance					
Of An Oxide Layer.					
Improve Tribological	Ghanshyam	Annals of Agri			
Properties of	Dassan d Manoj	Bio Research.			
Nanostructured	Kumar	hisar, India.		SBSSTC,	
Alumina Templates	Kushwaha	ilisai, ilidia.	2019	 Ferozepur	
using chemical	ixusiiwana			rerozepui	
synthesis					
•	Chanchyam	Manananaua			
Nanoporous Surface Treatment of	Ghanshyam Dassan d Manoj	Nanoporous Surface			
	_			CDCCTC	
Aluminium by	Kumar	Treatment of	2019	 SBSSTC,	
Anodization in Oxalic	Kushwana	Aluminium by Anodization in		Ferozepur	
Acid.		Oxalic Acid.			
Cambinad mild and	Crammont Cincol				
Combined mild and hard novel fabrication	Gurpreet Singh	Journal of the			
	Walia,	Brazilian			
approach for	Harminder	Society of			
nanoporous	Singh, Jasleen	Mechanical		an aara	
membrane.	Kaur, Manoj	Sciences and	2019	 SBSSTC,	
	Kumar	Engineering		Ferozepur	
	Kushwaha,				
	Anupinder				
	Singh.				
	N. S. Saini	T			
Various Aspects of	Amit Arora,	EM			
BioLubricants.	Sukhjinder	International,	2010	SBSSTC,	
	Singh Sandhu	Poll Res. 38	2019	 Ferozepur	
	and Narendra				
	Singh				

Effect of temperature	Kohli G.S.,	Materials			
gradient on creep	Singh, Tejeet	Today			
analysis of	and Singh, H.	Today	2019	SBSSTC,	
functionally graded	and Singh, 11.		2017	 Ferozepur	
cylinder					
Analysis of steady	Sandhu S.S.,	Materials Today			
-		Materials Today			
state creep behavior	Singh, Tejeet		2010	SBSSTC,	
in spherical vessels	and Gupta, V.K.		2019	 Ferozepur	
made of composite					
material	G' 1 TT 1	3.6			
Effect of Fillers of	Singh H., and	Materials			
Various Sizes on	Singh, Tejeet	Today			
Mechanical				SBSSTC,	
Characterization of			2019	 Ferozepur	
Natural Fibre					
Polymer Hybrid					
Composites					
Investigation	Bhambari, K.,	A Journal of			
Occupational Hand	Singh, I., Singh,	Composition		SBSSTC,	
Arm vibration	Tejeet and	Theory	2019	 ŕ	
exposure among drop	Singh, H.			Ferozepur	
forging workers					
Discomfort for Drop	Bhambari, K.,	A Journal of			
forging subjects by	Singh, I., Singh,	Composition	2010	SBSSTC,	
Vertical Whole body	Tejeet and	Theory	2019	 Ferozepur	
Vibration	Singh, H.			-	
Effect of Particle	Kohli, G. S.,	Lecture Notes in			
Content and	Singh, Tejeet	Mechanical			
Temperature on	and Singh, H	Engineering	•010	SBSSTC,	
Steady State Creep in			2019	 Ferozepur	
Thick Composite				1	
Cylinder					
Removal of pollutants	Amit Arora,	International			
of textile industry by	R.K. Kamboj	Journal of		SBSSTC,	
electrocoagulation	and Ashish	Pollution	2019	 Ferozepur	
ciccirocoagaiation	Gupta	research		1	
Effect of crumb	Amit Arora1,	Eco. Env. &			
rubber on	Parampreet	Cons.			
compressive strength	Kaur2,3*,	COIIS.		SBSSTC,	
of concrete	Munish Kumar4		2019	 Ferozepur	
OI COHCICIE	and Sidhant			rerozepui	
A Daviero en Eristi	Chopra5	Duo ang din a - f			
A Review on Friction	Yogita Sharma	Proceeding of		CDCCTC	
Stir welding of		6th National	2019	 SBSSTC,	
Aluminium Aloys		Conference on		Ferozepur	
		recent advances			

		in material Sci. Engg. " RAMSE-2019"			
Review on parametrics studies of laser bean machine process	Yogita Sharma	IJEAM	2019	SBSSTC, Ferozepur	
Invention of cost saving dead body modern cremation	Yogita Sharma	Proceeding of 6th National Conference on ERA 2019	2019	 SBSSTC, Ferozepur	
Wear Chracterstics of thermally sprayed nickel coatings	Yogita Sharma	International Journal of Scientific & Technology Research	2019	 SBSSTC, Ferozepur	
Regulating Thermal Comfort Using FenestrationnDesign Techniques - Impact of solar Heat Gain	Yogita Sharma	International Journal of Scientific & Technology Research	2019	 SBSSTC, Ferozepur	
Traditional Construction Techniques in Himachal Pardesh	Yogita Sharma	International Journal of Scientific & Technology Research-	2019	 SBSSTC, Ferozepur	
Biocoal - Quality control and assurance	Amit Arora, Ashish Gupta et al.	Biomass and Bioenergy	2020	 SBSSTC, Ferozepur	
Creep Analysis in Thick Composite Cylinder considering Large Strains	Kohli, G. S., Singh, Tejeet and Singh, H	J. of Brazilian Society of Mechanical Science and Engineering	2020	 SBSSTC, Ferozepur	
Analysis of Steady State Creep Behaviour in Spherical Vessels Made of Composite Material.	S.Singh Sandhu, T. Singh and V. K. Gupta	Materials Today (SCOPUS, Elsevier)	2020	 SBSSTC, Ferozepur	
Assessment of antioxidant potential of Trillium govanianum a critically endangered medicinal plant of	Kundra R, SS Samant, Sharma RK	Proceedings of National Academy of Sciences, India Section B: Biological	2019	 SBSSTC, Ferozepur	

North-western Indian		Sciences				
Himalaya						
HTC of wet residues	Mateusz	Energies				
of brewing process –	Jackowski,					
comprehensive	Lukasz					
characterization of	Niedzwiecki,					
produced beer, spent	Magdalena					
grain and valorized	Lech, Mateusz					
residue	Wnukowski,					
	Amit Arora,					
	Monika					
	Tkaczuk-		2020		SBSSTC,	
	Serafin, Marcin		2020		Ferozepur	
	Baranowski,					
	Krystian					
	Krochmalny,					
	Vivek K. Veetil,					
	PrzemysławSer					
	uga, Anna					
	Trusek, Halina					
	Pawlak-Kruczek					
Diagonal Quality	Halina Pawlak-	Biomass and				
Biocoal - Quality control and assurance	Kruczek, Amit	Bioenergy				
control and assurance	Arora, Ashish	Dioenergy				
	Gupta,					
	Muhammad					
	Azam Saeed,					
	Lukasz					
					CDCCTC	
	Niedzwiecki, Gordon		2020		SBSSTC,	
					Ferozepur	
	Andrews,					
	HerodotosPhyla					
	ktou, Bernard					
	Gibbs, Anna					
	Newlaczyl,					
	Penelope M.					
Hydratas of Dinary	Livesey	Journal of Non-				
Hydrates of Binary Guest Mixtures:	AnupamaKumar i, Shadman	Equilibrium				
	Hasan Khan, A.	_				
Fugacity Model Development	K. Misra, C. B.	Thermodynamic	2019		SBSSTC,	
and Experimental	Majumder, and) 	4017		Ferozepur	
Validation	Amit Arora					
v anuauon	AIIII AIUI					
A transition of a	Halina Pawlak-	Fuel	2020		SBSSTC,	

domestic boiler from	Kruczek, Amit			Ferozepur	
coal to biomass –	Arora,			1 61 62 6 7 61	
Emissions from	Krzysztof				
combustion of raw	Mościcki,				
and torrefied Palm	KrystianKroch				
Kernel shells (PKS)	malny,				
Remer shens (1 Kb)	ShalvinSharmae				
	. Lukasz				
	Niedzwiecki				
Optical and structural	Jitender Paul	Materials			
properties of drop-		Today:			
cast PVA/PEG	Kumar; Kiran	Proceedings			
	· ·	Froceedings	2020	SBSSTC,	
polyblends	Sharma; Manoj		2020	 Ferozepur	
	Kumar; Amit				
	Arora; Pramod				
Df	Kumar Singh	Makadala Tadaa			
Performance of	Amit Arora,	Materials Today		CDCCTC	
Nano-Particles In	Birpal Singh,	: Proceeding	2019	 SBSSTC,	
Stabilization Of Soil:	Parampreet			Ferozepur	
A Comprehensive	Kaur				
Novel Material i.e.	Amit Arora,	Materials today			
Magnesium	Birpal Singh,	Proceeding		~~~~~	
Phosphate Cement	Parampreet		2019	SBSSTC,	
(Mpc) As Repairing	Kaur			 Ferozepur	
Material In Roads					
And Buildings					
Applications of	<u> </u>	Pollution			
microbially indulge	varinder singh2	Research		SBSSTC,	
calcium	and Amit Arora		2019	 Ferozepur	
perception (MICP)					
Role of waste	parampreetkaur,	Pollution			
material in the	varindersinghan	Research		SBSSTC,	
construction concrete	d amitarora		2019	 Ferozepur	
	a amitai ora			1 61 62 6 7 61	
Treatment of Waste	amitarora,	Pollution			
Water Through	rajwantkaur,	Research			
Electro Coagulation	amandeepkaur,			SBSSTC,	_
2222223	narendrasinghan		2018	 Ferozepur	3
	d			P	
	sangeetasharma				
Aspects of green-	Amit Arora,	Ecology.			
sustainable tribology	Shivangand	Environment &		anaama	
and its	Vinay Saini3	Conservation	2019	 SBSSTC,	
impacts on future	_			Ferozepur	
product development:					
<u> </u>	I.	1			

A Review					
Effect of crumb	Amit Arora,	Ecology.			
rubber on	Parampreet	Environment &			
compressive strength	Kaur, Munish	Conservation	2019	SBSSTC,	
of Concrete	Kumarand	Consol vacion	2017	 Ferozepur	
	Sidhant Chopra				
Various aspects of	amitarora,	Pollution			
Biolubricants	· · ·	Research		SBSSTC,	
Diordoricants	sandhuand	Research	2019	 Ferozepur	
	narendrasingh			rerozepui	
Removal Of	amitarora,	Pollution			
Pollutants Of Textile	rajeshkumarkam				
Industry By	bojand	Research	2019	SBSSTC,	
Electrocoagulation	ashishgupta		2017	 Ferozepur	
Electrocoaguiation	asmsngupta				
Effect Of Waste	amitarora,	Pollution			
Glass Powder On	parampreetkaur	Research	2010	SBSSTC,	
Various Properties Of	and		2019	 Ferozepur	
Concrete	varindersingh			•	
Examination Of	Amit Arora,	Pollution			
Combustion Process	halinapawlak-	Research			
Of Hard Coal And	kruczek,				
Predried Lignite	marcinbaranows				
Blends	ki,				
	marcindebowski		6015	SBSSTC,	
	,		2019	 Ferozepur	
	krystiankrochm			- r	
	alny,				
	lukaszniedzwiec				
	kiand				
	jakubmularski				
Assessment Of	Amit Arora,	Nature			
Annual Effective	RohitMehra,	Environment			
Dose Due To The	Rajeev Kumar	and Pollution			
Concentration Of	Garg and Anand	Technology		SBSSTC,	
Indoor Radon In	K. Tyagi		2019	 Ferozepur	
Bathinda District Of	is. Tyugi			i ciozepui	
Punjab In India					
i unjao in muia					
Parametric study of	Rajiv Arora, A	J. Indian Chem.			
esterification of high	P Toor, R K	Soc.			
free fatty acid rice	wanchoo			CDCCTC	
bran oil using			2020	 SBSSTC,	
Aluminum doped				Ferozepur	
sulfated zirconia					
<u> </u>	1		<u> </u>		

Stabilization Of Soil: ParampreetKaur A Comprehensive Novel Material i.e. AmitArora, Materials today Magnesium Birpal Singh, Proceeding Phosphate Cement ParampreetKaur SPSSTC	.694
Stabilization Of Soil: A Comprehensive Novel Material i.e.	.694
A Comprehensive Novel Material i.e. AmitArora, Materials today Magnesium Birpal Singh, Proceeding Phosphate Cement ParampreetKaur 2019 SBSSTC, 0	
Novel Material i.e. AmitArora, Materials today Magnesium Birpal Singh, Proceeding Phosphate Cement ParampreetKaur 2019 SBSSTC, 0	
Magnesium Phosphate Cement ParampreetKaur Proceeding SBSSTC, 0	
Phosphate Cement ParampreetKaur SBSSTC, 0	
7019	
INVIDET AS REDAITING TO THE TOTAL CONTROL OF THE TO	.694
Material In Roads	
And Buildings	
Applications of Parampreet Pollution	
microbially indulge keyr verinder Pesserch	
calcium 2019 SBSSTC,	
perception (MICP) singh and amit arora Ferozepur —	
at Ora	
Role of waste parampreet Pollution	
material in the kaur, varinder Research SBSSTC,	
construction concrete singh and amit 2019 — Ferozepur —	
arora	
Effect Of Waste Amit arora, Pollution	
Glass Powder On parampreet kaur Research SBSSTC,	
Various Floperities Of and Varinder — Ferozepur —	
Concrete	
3.4.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)	
Title of Paper Name of the Title of the Year of h- Number of Institutional	1
Author journal Publicati index citations affiliation a	.S
on excluding mentioned	in
self citations the publications	tion
E-Had: A Distributed NileshPatil, C. Elsevier	
and Collaborative Rama Krishna, Journal of	
Detection Framework Krishan King Saud	
for Early Detection of Kumar, Sunny University-	7,
DDoSattacks Behal Computer 2019 — S Ferozept	ır
and	
Information	
Sciences	
Distributed Denial of Jasmeen Kaur Journal of	
Service Attacks: A Chahal, New Review SBSSTO	,
Threat or Challenge Abhinav of 2019 1 Ferozept	
Bhandari, Information	11
Sunny Behal Networking	
Novel Approach to Anil Behal, International	
Detect DDoS Sunny Behal Journal of Spectro	,
Intrusion from Research in 2019 0 SBSSTO	
Vehicular Ad hoc Electronics Ferozept	ıΓ
Networks and	

	T	T		l	1	1	
		-	puter				
		_	neering				
		(IJRE	ECE)				
ACO optimized self-	Vishal Kumar	Journ	nal of				
organized tree-based	Arora, Vishal	Amb	ient				
energy balance	Sharma,	Intell	igence	2019		1.1	SBSSTC,
algorithm for wireless	Monika	and				11	Ferozepur
sensor network	Sachdeva	Hum	anized				
		Com	puting				
A distributive, multi-	Vishal Kumar		national				
hop,adaptive,tree-	Arora, Vishal	Journ	nal of				
based energy-	Sharma,		municati	2019		3	SBSSTC,
balanced routing	Monika		ystems	2017			Ferozepur
approach	Sachdeva	on 5	Stems				
A multiple	Vishal Kumar	Soft					
pheromone ant	Arora, Vishal		outing				
colony optimization	Sharma,	COM	outing				SBSSTC,
	,			2020		3	,
scheme for energy-	Monika						Ferozepur
efficient wireless	Sachdeva						
sensor networks							III CDTIII
-	Jaswinder	Optio			2		IKGPTU
Power-efficient Radio	Kaur, Vishal	Com	municati	2019-20	(Sco	1	Kapurthala
over Fibre System	Sharma	ons		2019 20	pus)		SBSSTC
							Ferozepur
Regulating Thermal	Ar. Sandeep		national				
Comfort Using	Singh	Journ	nal of				SBSSTC,
Fenestrationn Design		Scien	tific &	2019			Ferozepur
Techniques - Impact		Tech	nology				rerozepui
of solar Heat Gain							
Traditional	Ar. Sandeep	Inter	national				
Construction	Singh	Journ	al of	2010			SBSSTC,
Techniques in		Scien	tific &	2019			Ferozepur
Himachal Pardesh		Tech	nology				-
Wear Chracterstics of	Ar. Sandeep		national				
thermally sprayed	Singh		al of				SBSSTC,
nickel coatings			ntific &	2019			Ferozepur
			Technology				
3.4.7 Faculty participa	tion in Seminars			nd Symposi	ia during	the vear :	
3.4.7 Faculty participation in Seminars/Conferences and Symposia during the year :							
No. of Faculty	International l	evel	National	Level		Sate Level	Local Level
Attended				54		03	01
Seminars/Workshops				J '1		03	01
Presented Papers	25			11		03	
Resource Persons				12			
3.5 Consultancy							

3.5.1 Revenue generated from consultancy during the year					
Name of the	Name of the	Consulting/Sponsoring Agency	Revenue generated (in		
consultant(s)	consultancy Project		Rs.)		
department					
Department of	Geotechnical	Various Government, Semi-	Rs. 76,68,061		
Civil	Investigations,	Government and Private			
Engineering	Material Testing and	Organizations			
	Structural Design				
3.5.2 Revenue gen	erated from Corporate Tra	aining by the institution during the	year		
Name of the	Title of Programme	Agency Seeking Training	Revenue	No. of	
consultant(s)			generated	Trainees	
department			(in Rs.)		
ECE	AICTE sponsored	State Technical institutes and	51000/-	40	
	National level one	administration office	(Approx)		
	week STTP on Virtual				
	Instrumentation in				
	Academia, Research				
	and Industry(VIARI-				
	2019) (8th July-13th				
	July 2019)				

3.6 Extension Activities

3.6.1 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/	Number of	Number of
	agency/collaborating agency	teachers co-	students
		ordinated in such	participate in such
		activities	activities
Blood Donation Camp	Red Cross Club	02	05
Swachhta Pakhwada	NSS, RRC, EFG	2	50
Tree plantation Camp	NSS, EFG, RRC	4	50
Punjab State Youth	NSS, SECA, RRC, Youth	4	65
Festival	Services Department	·	0.5
Drawing , Poster making			
& Declamation	NSS, RRC, Youth Services	6	80
competition & advocacy	Department	O .	00
meeting			
Vigilance Awareness Day	NSS, Vigilance bureau, SECA	6	150
Moral Education Test &	NSS, RRC, Youth Services	6	100

Seminar on Sri Guru	Department, GGS Study circle		
Nanak Dev ji			
National voter Day (Declamation & Debate Contest	NSS, RRC, Youth Services Department, SVEEP	4	30
Blood Donation Camp	NSS, RRC, Youth Services Department	6	90
Hiking & Tracking camp	NSS, RRC, Youth Services Department	2	18
Blood Donation Camp	Red Cross Club	02	05
Blood Donation Camp	Red Cross Club	02	05
RUN FOR FUN National Integration Day (Sardar Patel Birthday) (2019)	13 Pb Bn. NCC Ferozepur	9 ANO of Battallion	150
Chemospark	CHESS	2	100
Industrial tour at NFL, Nangal	CHESS	2	18

3.6.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of The Activity	Award/recognition	Awarding Bodies	No. of Students benefited
Punjab state youth festival at Chandigarh University, Gharuan (30-31 January, 2020)	Appreciation certificate	Chandigarh University Gharuan	03
Cultural Activities, Blood Donation and Drug de addiction campaign for the year 2019-20	Appreciation certificate on Republic Day 26 th January 2020	Minister of Technical Education and Industrial Training, Government of Punjab (District Administration, Ferozepur)	
Technical Event	ISCE NIRMAAN 2K19	SBSSTC,FEROZEPUR	36
Cultural Activities, Blood Donation and Drug de addiction campaign for the year	Appreciation certificate	Minister of Technical Education and Industrial Training, Government of Punjab	

2019-20 on Republ							
Day 26 th Jan. 2020.	•						
Energy Environmental Sustainability (ICAMEES -20 University Petroleum and En	derence on anced Materials, gy & conmental annability MEES -2018), ersity of bleum and Energy des (UPES), adun, India-14 th –			International Conference on Advanced Materials, Energy & Environmental Sustainability (ICAMEES - 2018), University of Petroleum and Energy Studies (UPES), Dehradun, India			
Cultural Activities, Blood Donation and Drug de addiction campaign for the year 2019-20		Dr. Amit Arora, Associate Professor		Minister of Technical Education and Industrial Training, Government of Punjab		Appreciation certificate in the field of Cultural Activities, Blood Donation and Drug de addiction campaign for the year 2019-20 on Republic Day 26th Jan. 2020.	
	anisati	pating in extensions and programm ar					=
Name of the Scheme	Organising unit/agency/Collaborati ng Agency		Name of the activity		Number of teachers co- ordinated such activities		Number of students participated in such Activities
Swachh Bharat Abhiyan	SBSSTC, Ferozepur		Cleanliness of Institute		02		32
Swachh Bharat abhiyaan rally 2017			Swachh Bharat abhiyaan rally 2017		1 ANOs		35
3.7 Collaborations					<u> </u>		
3.7.1 Number of Co	ollabo	rative activities for 1	esearch	, faculty e	xchange,	student excl	nange during the year
Nature of Activity	Participant		Source of Financial Support		Duration		
ECE Post Doctoral			European Union		2 years		

Fellowship			sponsored fellowship			
Joint M.S. thesis with Poland	4 participants with Amit Arora	n Dr.	Self		365	
Research Publication with Poland, UK, China etc.	15participants wit Dr. Amit Arora	h	Self		365	
	th institutions/indusetc. during the year		for internship, on-the-jo	b trai	ining, project	work, sharing of
Nature of Linkage	Title of Linkage	insti	ne of the partnering tution/ industry/research with contact details	h	Duration (From-to)	Participant
Use of laboratory facilities for Post Doctorate research facility	Post doctoral fellowship	Aston university, UK		18.9.2019 (two years)	Dr Vishal Sharma	
Use of laboratory OPTISYS software for thesis work	Ph.D. thesis work	Punj	abi University, Patiala		2019-20	Aruna Rani
Institution Linkage	Research Paper	tech	on institute of Photonics anologies (AiPT), Aston versity, Birmingham, U	1	28/01/202	Dr Vishal Sharma Jaswinder Kaur
Institution Linkage	Research Paper	Phys Com Duc	sion of Computational sics, Institute for aputational Science, Ton Thang University, Ho C th City, Vietnam		11/02/202	Amit Grover
Institution Linkage	Research Paper	Phys Com Duc	sion of Computational sics, Institute for aputational Science, Ton Thang University, Ho C th City, Vietnam		25/02/202 0	Amit Grover
Institution Linkage	Research Paper	Phys Com Duc	sion of Computational sics, Institute for aputational Science, Ton Thang University, Ho C h City, Vietnam		24/01/202	Amit Grover
3.7.3 MoUs signed corporate houses e		f natio	onal, international impor	rtance	e, other instit	cutions, industries,
Organization	Date of MoU signed	Pu	rpose and Activates		mber of stude	

Infosys	03/06/2016 to	Campus Connec	•	Teachers - 08
	02/06/2020	to impart Industrial subjects in the control	-	
SBSSTC AND	21/07/2020	To upgrade this		02
IIT ROPAR		an institute of na importance	tional	
		Importance		
CRITERION IV – I	NFRASTRUCTU	IRE AND LEARN	IING RESOU	JRCES
4.1 Physical Faciliti				
_	_	lary for infrastruct	ure augmenta	ntion during the year
Budget allocated for infrastructure augme		Budget uti	lized for infra	astructure development
Rs. 70.00 La	cs	R	s. 13.43 Lacs	s (boys hostel)
4.1.2 Details of aug	mentation in infra	structure facilities	during the ye	ear
Facilities		Existing		Newly added
Campus area		98.4 Acre		
Classrooms		77		
Laboratories		94		
Seminar Halls		05		
Classrooms with L facilities	.CD	40		18
Classrooms with V LAN	Vi-Fi/	77		
Seminar halls with facilities	ICT	01		01
Video Centre		01		
No. of important equipments purcha 1-0 lakh) during th	ased (≥	59		02
current year.	5	51947621/-		465894/-
Value of the equip purchased during t (Rs. InLakhs)		98.4 Acre		
Others				

4.2 Library as a L	earning Re	source							
4.2.1 Library is a	utomated {	Integrate	d Librar	y Manager	ment System	(ILMS)}		
Name of the ILMS	Software	Nature partial		mation (fu	lly or	Versio	n	Year of automation	
КОНА				Fully		18.05	.05.000	2019-20)
4.2.1 Library Servi	ices:							<u> </u>	
		Ex	isting	Ne	wly added			Total	
		No.	Value	e No.	Value	N	0.	Value	
Text Boo	ks	30800	324064	12 1200	745	320	000	3241387	
Reference B	ooks	3490						_	
e-Books	3	EBSC O160 00	25790	0				_	
Journals	3	54					_	_	
e-Journal	ls	1600	15026	0 —				_	
Digital Data	base	02						_	
CD & Vid	leo	448						_	
Library auton	nation				Ye	S			
Weeding (Hard	& Soft)					_	_		
Others (spec	cify)					_	_		
4.2.2 E-content (Under Gradu i	ate) SWAY	AM oth	er MOC	Cs platfor		IMEICT	7any othe	er Governmen	
Name of the Teacher	Name of to	he			nich module	is	Date	of launching	e -
—	illodule _	_	deve	eloped				content	
4.3 IT Infrastructi	ure								
4.3.1 Technology		on (over	all)						
		,		Duovisias	Commutan	Ofc.	Danam	4	O4h
Total Compute	Compu rs Labs		ernet]	Browsing Centres	Computer Centres	Office	Depar		Oth ers

Existin	100	04	02	100	1	3	9	1024	
g								MBPS	
A 11.1									
Added									
Total	100	04	02	100	1	3	09	1024	
								MBPS	
432B	andwidth av	ailable of inte	rnet conne	ection in the	Institution (Leased lii	10)		

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

1	GBPS	(1024)	- MBPS)
---	-------------	--------	---------

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

- 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 incurred on maintenance of physical facilities
Rs.14.00 Lacs	Rs.1.77 Lacs	Rs.30.00 Lacs	Rs.28.45 Lacs

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)

Maintaining and utilizing physical, academic and support facilities -laboratory, library, sports complex, computers, classrooms carried out by the following committees/Offices:

- **Grievance Committee**
- Anti Ragging Committee
- Discipline Committee
- Institutional Development Committee
- Student Affairs/Welfare Committee
- Library Committee
- Anti Sexual Harassment Committee
- **Public Relation Department**
- Public Information Cell
- Legal Cell 11) Estate Office

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 Student Support

5.1.1 Scholarsh	ips and Financial Support		
	Name/Title of the scheme	Number of Student	Amount of Rupee
Financial support	Student Exigency Fund(SEF)	6	1,75,188
from institution	Student Aid Fund(SAF)	7	18,000
Financial suppor	t from other sources		
National	PMSS Scholarship	225	1,62,76750
	J&K Scholarship	6	4,89,000
	E-Kalyan Welfare Deptt., Govt. of Jharkhand	13	780000(Appx.)
	UP Govt. Scholarship	68	4080000(Appx.)
	Bihar Govt.Scholarship		
International			
	capability enhancement and ng, Language lab, Bridge cou	-	_
Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Yoga Practice	01/08/2019 to 14/08/2019	50	Bharti Yoga Sansthan, Ferozepur
English	15/07/2019	105	SBSSTC Ferozepur
English Lab	15/07/2019	105	SBSSTC Ferozepur

Mentoring &	15/07/2019	105	SBSSTC Ferozepur
Professional			
Development			
Philosophy	01/01/2020	105	SBSSTC Ferozepur
Human Values	15/07/2019	105	SBSSTC Ferozepur
Environmental Science	15/07/2019	105	SBSSTC Ferozepur
English	15/07/2019	16	SBSSTC Ferozepur
English Lab	15/07/2019	16	SBSSTC Ferozepur
Mentoring & Professional Development	15/07/2019	28	SBSSTC Ferozepur
Professional Skills-III	01/01/2020	39	SBSSTC Ferozepur
Professional Skills-IV	15/07/2019	39	SBSSTC Ferozepur
Soft Skill development	15/07/2019	90	Central agency at institute level(Abhishek)

institution during the year

111501000101	a distribution of the state of				
Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2019-20	Career Counselling		23		12
2019-20	GATE COACHING	43	-	4	6

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	No. of grievances redressed	Average number of days for grievance redressal
1	1	11

5.2 Student Progression

5.2.1 Details of campus placement during the year

On campus		Off Campus	
Name of Organizations Visited	Number of Students participated	Number of Students Placed	
Aditya Birla Capital, Faridkot	15	1	
Baba Autos	5	1	
Bharti Axa Life Insurance	8	2	
Byju's	3	1	
Ceasefire	13	1	
Cognixia	72	11	
Cognizant	49	19	
Devi Techno Solutions, Ferozepur	35	14	
HCL Technologies	3	2	
Infosys Ltd.	62	18	
Lido Learning	61	1	
Mechlin Software Technology Pvt. Ltd.	29	5	
NIIT Technologies	20	3	
Scope Telecom	5	1	
TCS	36	9	
Tele performance	7	1	
Ubxty Unboxing Technology	33	13	
Wipro Elite	57	10	
Centrient Pharmaceuticals Ltd., Ropar	43	4	
Total	556	117	

Year	Number of	Programme	Department	Name of institution	Name of	
	students	graduated from	_		Programme	
	enrolling into		from		admitted to	
	higher					
	education					
2019-20	01	B.Tech.	EE	Kurukshetra Univ-1	M.Tech	
2019-20	03	B.Tech.	CE	NIT,Jalandhar	M.Tech.	
2019-20	02	BCA	BCA	SBSSTC, Ferozepur	MCA	
2019-20	01	B.Tech.	СНЕ	NIT Jalandhar	M.Tech	
				aminations during the yea ces/State Government Serv		
Items		No. of Students s		Registration numb		
		qualifying	g e	number for the e		
NET						
SET						
SLET						
		02		CS20S68018316		
GATE				CS20S680181	22	
GMAT						
CAT						
GRE				_		
TOFEL						
Civil Servi	ices					
State Gove Services	ernment	01				
Any Other	Any Other					
5.2.4 Sports	and cultural ac	etivities / competitions	organised at the	e institution level during th	e year	
Activ	Activity Level			Participants		
Smart Hack Institutional Programming Quiz in collaboration with		256				

EICT Academy &		
IIT		
Kanpur(11/02/2020)		
Compuware	Institutional	100
Departmental		
function(19/2/2020,		
20/2/2020)		
Aagman 2019	Institutional	300
Dance Competition	Institutional	10
(EBSB)		
7 17 45 4 1	***	50
Zonal Youth Festival	University	50
Inter Zonal Youth	University	25
Festival		
Annual Athletic Meet	Institutional	332
/Inter Year College	nistitutionai	332
Tournament		
Cricket		
Football		
Table Tennis		
Table Tellins		
Basket Boll		
Volley Boll		
Chess		
Lawn Tennis		
Hockey		
5 3 Student Participation :	and Activities	

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/ Internation al	Sports	Cultural	Student ID Number	Name of the student
2019-20	I st Position at PTU, Jalandhar Inter zonal	University Level		Essay Writing	170280141 BTECH CSE	Raghav Watts

	Youth Festival					
2019-20	2 nd Position at PTU, Jalandhar Inter zonal Youth Festival	University Level		Folk Song	1809209 BTECH CSE	Ribka
2019-20	2 nd Position at PTU, Jalandhar Inter zonal Youth Festival	University Level		Cartooning	170280116 BTECH CSE	KartikPal
2019-20	Bronze Medal	University Level	Triple Jump		170280117 BTECH CSE	Lakhvir Kaur
2019-20	Bronze Medal	University Level	Long Jump		170280117 BTECH CSE	LakhvirKaur

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

Students are actively participating in the committee of equal opportunity cell to take care the day-to-day needs of differently abled persons. Further, students are also part of anti-ragging committee for the prevention of ragging in the campus. Students Grievance redressal committee is also functioning properly the campus for addressing and effectively resolving grievances of students and in this committee also, one the member is from student committee. Every year College annual athlete meet is held in the month of February / March for B.tech, Diploma, BCA, MBA Students including Events namely: 100m, 200m, 400m, 800m, 1500m, 5000m, race, Long jump, High jump, Discuss through, Javelin through, Shot put and tug of war etc..

5.4 Alumni Engagement

5.4.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words): Yes, The Alumni Association was registered under Registration No. FZR3585 on dated 08/10/20019

- The college holds Alumni Meet of the passed out students annually.
- Department-wise Online Alumni Surveys are conducted for the passed out batches.
- A number of Groups on the Social Websites like Facebook [sbscet alumni page] etc. are used to disseminate the information to the Alumni.
- Alumni Registration is done through one online form published on college website www.sbsstc.ac.inand one LinkedIn account

5.4.2 No. of registered Alumni:

550 till date on web portal, 700 on LinkedIn

5.4.3 Alumni contribution during the year (in Rupees):

5.4.4 Meetings/activities organized by Alumni Association:

Sr No	Name of Alumni	Branch	Batch	Topic	Date
1	Ms. Disha Kohli	CSE	2004-2008	How to prepare yourself for the IT Industry	06/03/2019
2	Mr. Chandan Prashar	CSE	2002-2006	Entrepreneurship Skills and Recent Trends in IT	20/03/2019
3	Mr. Sudeep Saxena	CSE	2011-2015	Opportunities in IT	19/08/2019

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 college believes in decentralized governance and Participative management. Teaching and nonteaching staff members share the administrative responsibility of the college and contribute in smooth working of administrative machinery.

- 1) All of the class rooms are under CCTV.
- 2) Associate Director monitor the engagement of classes through CCTV
- 6.1.2 Does the institution have a Management Information System (MIS)?

Partial

- 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):
 - Curriculum Development:-
 - 1) The syllabi of each department have been updated to meet the requirements of the industry and under consultation with the stakeholders.
 - 2) The curriculum is strengthened through workshops and brainstorming sessions on developing research embedded syllabi to make students globally mobile and socially useful.
 - 3) An emphasis has been laid on providing the students flexibility in their learning by including a host of elective options to ensure that the student develops as a better professional, having wider exposure.
 - 4) Certain aptitude development courses have been introduced particularly for final year student.
 - Teaching and Learning:-
 - 1) Modular course structure with provisions to address the problems of slow learners by arranging remedial classes.
 - 2) Online Courseware, Webinars, Video lectures and intensive laboratory training.
 - 3) Wide choice of elective courses Inclusion of e-books, courseware, tutorial modules for each course.
 - 4) Modernization of labs to accommodate the latest trends in technical education.
 - 5) The institute is organizing an orientation programmes for the freshers in the institution and department level.
 - 6) Provisions of Mentoring, tutoring, counselling and remedial classes to address the problems of slow learners
 - 7) The faculty members are guided to use presentations and videos for better learning experience of students.
 - Examination and Evaluation :-
 - 1) Comprehensive continuous mode of internal Assessment Monitoring is done through DQAC and IQAC.
 - 2) The question papers are in accordance with the Course outcomes defined in curriculum of each course which in turn are mapped with Programme outcomes.
 - 3) The question papers for end-semester examinations will be in accordance with the Course outcomes defined in curriculum of each course which in turn are mapped with Programme outcomes.
 - 4) The question papers are in accordance with the Course outcomes defined in curriculum of each course which in turn are mapped with Programme outcomes.
 - 5) Research and Development:

- 1) In its efforts to train, motivate and reward faculty, the institution encourages members to attend courses/conferences/workshops/seminars/training programmes, etc, by providing a research grant of Rs. 50,000/- per year for each faculty member for such activities.
- 2) Research oriented books, journals and e-journals have been available in the Central and deprtmenatl libraries.
- 3) The regular faculty members of the institute have been provided with the laptop and PC in their office for enhancement of research related activities.
- 4) Each department has its own computer laboratory equipped with software for the research purpose apart from other laboratories.
- Library, ICT and Physical Infrastructure / Instrumentation:
- 1) The Central library is amultimedia Enabled Digital Library with large number of ebooks, ejournals and other online course material equipped with 10 computers, two laser printers and soul software.
- 2) The Central library has ICT and Physical Infrastructure / Instrumentation, Barcode / RF Enabled Circulation and Surveillance in its premises.
- 3) Institute has ICT Enabled classrooms
- 4) The Computer centre has a number of working environments & Packages; Windows, Matlab, Statistica, Mathematica etc
- 5) Campus wide networking through Optical Fibre Backbone Reading Rooms in Central Library and various hostels.
- Human Resource Management:-
 - 1) Separate Establishment Branch for maintaining record, performance appraisal etc of available human resource Grievance redressal mechanism in place for faculty, staff, students,
 - 2) Transportation facility for faculty staffs and students.
 - 3) Reimbursement of TA/DA for official travel, attending conference, seminar, or any special training.
 - 4) On campus health centre with ambulance.
- Industry Interaction / Collaboration :
- 1) The Cell involves Guest Lectures, Interactive Workshops, Conferences, Seminars, Brain Storming Sessions and Technical Discussions etc. with members of the Industry, outside experts, eminent personalities at regular interval are organised at regular intervals.
- 2) This Cell facilitates closer interaction between the academic and Industrial fields and also provides closer links with industries.
- 3) Institute has signed Memorandum of Understanding (MoU) with following industries for the purpose of enriching the technical education process:

Infosys Ltd

Metro Tyres Ltd., Ludhaiana

CETPA Infotech Pvt Ltd., Noida

P.P. Industries Pvt Ltd., Bathinda

Itenic Technology Pvt Ltd., Noida.

Admission of Students :-

The admission process is highly transparent. Rules and regulations of the affiliated University IKGPTU, Kapurthala are strictly adhered to. Admissions are through Centralized counselling conducted by the University. The vacant seats are then advertised and filled purely on merit basis. Candidates are required to fill the online Registration form. Each application is processed and verified. The college strictly follows the reservation policies of IKG PTU and Punjab State for admissions.

- 6.2.2 : Implementation of e-governance in areas of operations:
 - Planning and Development:-Student data management, Timetable, attendance modules are working.
 - Administration:- Employee data management, Biometric attendance, Leave Management, and Payroll Modules are working
 - Finance and Accounts:- Fee Management, Receipt and Payments modules are working.
 - Student Admission and Support :- Student admission is through centralized Online counselling conducted by the affiliating University
 - Examination:- Examination department is completely computerized. Results are displayed Online individually in the Login of student. Exam form filling, Conduct of exam, Declaration of Result modules are working.

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

6.3.2 Number of professional development / administrative training programmes organized by the Colleges

for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participant s (Nonteaching staff)
2019-20	Big data Analytics using machine Learning Techniques		09/12/2019 to 20/12/2019	105	
2019-20	AICTE sponsored one week STTP on Virtual Instrumentation in Academia, Research and Industry(VIARI-		08/07/2019 to 13/07/2019	105	

	2019)			
2019-20	AICTE Sponsored STTP on "Mathematical Methods and Computations in Engineering (MMCE-2019)",	01/07/2019 to 06/07/2019	106	
2019-20	Workshop On Energy Conservation	 18/12/2019	50	
2019-20	FDP on "Emerging Materials: Characterization and Applications	 17/02/2020 to 21/02/2020	07	
2019-20	Virtual Instrumentation in Academics, Research and Industry	 08/07/2019 13/07 2019	02	

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

-	Number of teachers who	
Title of the professional development	attended	Date and Duration
programme		(from – to)
Mathematical methods and computations in	26	01/7/2019 to 06/07/2019
Engineering (MMCE-2019)		
Virtual Instrumentation in Academics,	23	08/07/2019 to 13/07/19
Research and Industry		
AICTE Sponsored FDP on "Big Data	36	09/12/2019 to 20/12/2019
Analytics using AI Machine Learning		
techniques		
_		
AICTE sponsored one week STTP on	17	17/02/2020 to 21/02/2020
Emerging Materials: Characterization and		
Applications organized at SBSSTC		
STC ON Design Challenges in Low Power	01	16/12/2019 to 20/12/2019
VLSI Design		
	02	
One day District level Workshop on "Energy		17/01/2019
Efficient Building Materials" organized by		

School of Architecture	e, SBSSTC, Ferozep	our					
AICTE sponsored 1 week STTP on "Virtual Instrumentation in Academics, Research and Industry" organized by Dept. of Electronics Engg., SBSSTC, Ferozepur		nd	02		08/07	7/2019 to 06.	/07/2019
6.3.4 Faculty and Sta	aff recruitment (no. f	or permanent rec	cruitmen	t):			
•	Teaching			<u>, </u>	Non-teach	ing	
Permanent	Fu	ulltime		Permanen	t	Fullti	me
64		64		119		119)
6.3.5 Welfare scheme	s for				l.		
Teaching						2	
Non teaching						2	
Students						6	
6.4.1 Institution condregularly (with in 1 The institute external internal audit is dor 6.4.2 Funds / Grants during the year(not conditions) Name of the non government funding	00 words each) I financial audit is done by internal Audit (one by Punjab G Committee gement, non-gov	overnme				
agencies/ individuals	Funds/ Grants	received in Rs.		Purpose			
					_		
6.4.2 Total corpus fu 6.5 Internal Quality A		rore					
6.5.1 Whether Acader	•	ive Audit (AAA)	has been	n done?			
Audit Type		External				Internal	
	Yes/No	Age	ency		Yes/No	Au	thority
Academic	Yes	PTU Ja	landhar		Yes	I	QAC
Administrative	Yes	Punjab Govt./External CA		Yes	Va	arious nmittee	
6.5.2 Activities and su	apport from the Pare	nt – Teacher Ass	sociation	(at least th	nree)		

The PTA also aims at enhancing the interaction among the various stakeholders.

Providing valuable suggestion for development of the institution

Pointing out the weaknesses of the college & related Departments and suggesting rectification.

Communicating views which the students feel shy to communicate directly to the teachers about the college and the department.

6.5.3 Development programmes for support staff (at least three)

- 1.Computer Training
- 2. Yoga training & stress management
- 3.Soft skill training

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

- 1. Various batches of alumni have been contacted for strengthening the alumni contribution.
- 2. Up gradation of present syllabus to suit the need of employability through board of studies is sought.
- 3. Planning is underway to adopt nearby villages to enhance water conservation, social upliftment etc.

6.5.5

a. Submission of Data for AISHE portal : (Yes /No) Yes
b. Participation in NIRF : (Yes /No) Yes
c. ISO Certification : (Yes /No) No
d. NBA or any other quality audit : (Yes /No) Yes

6.5.6 Number of Quality Initiatives undertaken during the year

	Name of quality initiative by	Date of conducting	Duration (fromto-	Number of
Year	IQAC	activity)	participants
	Promote Paperless			
2019-20	Communication	24/01/2020	One day	150
	Modified Students Feedback	24/01/2020	One day	
2019-20	performa			1223
2019-20	Regular Meeting of IQAC	24/01/2020	One day	1200

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-to)	Participants		
		Female	Male	
Celebration of International Women's Day	8 March 2020			
		33	48	

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources

A meeting related to installation of solar power panels was held on 15/02/2019 with the officials of Punjab energy development authority, Chandigarh. The proposal was to install the solar panels in all the state. Further communication is this process is awaited

7.1.3 Differently abled (Divyangjan) friendliness

		No. of Beneficiaries
Items Facilities	Yes/No	
Physical facilities	Yes	All Differently-abled students.
Provision for lift	Yes	All Differently-abled students.
Ramp/ Rails	Yes	All Differently-abled students.
Braille Software/facilities	NO	
Rest Rooms	Yes	All Differently-abled students.
Scribes for examination	Yes	All Differently-abled students.
Special skill development for differently abled students	Yes	All Differently-abled students.
Any other similar facility	Yes	All Differently-abled students.

7.1.4 Inclusion and Situatedness

Enlist mos	st important initiat	ives taken to add	lress locational a	dvantages and disac	dvantages during	the year
Year	Number of	Number of	Date and	Name of the	Issues	Number of
	initiatives to	initiatives	duration of	initiative	addressed	participating
	address	taken to	the initiative			students and
	locational	engage with				staff
	advantages and	and contribute				
	disadvantages	to local				
		community				
2019	4	4	06/12/2019	Blood Donation	Blood	80
				,	Donation,	
				,	ŕ	
2020	4	4	25/01/2020,	SVEEP Voter	Voter	55
				Education	awareness	

2019	9 4 4 18/11/2019 Entrepreneursh		reneurshin	Training on	50			
2017	7		10/11/2017	Entrepreneursinp		Java	30	
					,	Technologies,		
						_		
2020	4	4 03/	03/03/2020	/03/2020 Cu	ıltural	Quiz on	20	
2020			02/02/2020		change	Andhra	20	
				Programme		Pardesh		
						under EBSB		
		<u> </u>				LL		
7.1.5 Hun	nan Values and Pr	ofessional Ethics						
Code of co		s) for various stake						
Title Date of Publi		Publication	eation Follow up (maxi		ıp (maximum 100	imum 100 words each)		
	1							
7.1.6 Acti	vities conducted f	or promotion of uni						
			Duratio	n (from-	to			
Activity)			Number of participants	
Seminar on Vigilance Awareness by Vigilance Department, Government of Punjab.		e	30/10/2019			150		
Departific	ini, Government C	or rungao.						
Organized essay writing competition for 550 th			06/11/2019		92			
birth anni	versary of Guru N	Nanak Devji						
Organized Camp under Swachh Bharat Abhyian			an	02/10/2019		35		
Punajab State Youth Festival			29/01/	29/01/2020 to 31/01/2020			65	
- unity us ~								

18/10/2019

22/10/2019 & 22/01/2020

18/02/2020

25/02/2019 to 06/03/2020

18/12/2019

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

Seminar on Teachings of Shri Guru Nanak Devji.

Drawing, Painting and Slogan Writing

Seminar on Drug deaadiction and AIDS

Hiking and Trekking camp at Manali

Workshop on Energy Conservation

Deaadiction

Awareness

Competition on Blood Donation and Drug

100

80

54

20

84

- 1 Tree Plantation on Regular Basis.
- 2 Swatch Bharat Abhiyan is going on .
- 3. Painting Competition on environment conservation on regular basis.
- 4. Seminar on Environmental Conservation on regular Basis.
- 5. SwachhataPakhwadato clean campus for 15 days is going on regular basis.

7.2 Best Practices

Describe at least two institutional best practices

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

1. The institute is using computerized modules for managing activities related to Academics, Finance And Accounts and Grievances of students

 $\underline{https://forms.eduqfix.com/sbsstconlineform/add}$

https://sbsstc.edugrievance.com/

2. The institute has automated Exam And Grading module for Exam form filling, Conduct of exam and Declaration of Result

http://10.11.11.11 (MySBSExam intranet website)

3. Institute has fully computerized Library through Koha Library Module

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust:-

 Education Quality Improvement through Propagation of Outcome Based Education (OBE) as advocated by NBA

Provide the weblink :- http://10.11.11.11 (MySBSExam intranet website)

8. Future Plans of action for next academic year (500 words)

The following are the future plans for the forthcoming Academic year 2020-21:

- To carry out examination & evaluation reform initiated by IKGPTU.
- Exploration of opportunities for collaborative research with leading institutions/organizations like IIT Ropar.
- Plagiarism check for Project & Assignment submissions.
- Computer Training of the office staff sothat they are able to efficiently handle the automation of the online administrative work.
- To initiate Career Guidance and Counselling programme for students.
- Infuse social compatibility and inculcate civic sense and core values of life through various activities to be initiated by the clubs& departmental societies.
- GATE Coaching classes for students.
- Providing quality based higher education to rural and backward students.
- To use the educational and physical resources available within the institution for the creation of the skilled, disciplined, educated and rational society of high moral standards.
- To inculcate social, national and human values in young generation through education and thereby contribute to the nation.

Name Dr. T. S. Sielhu

Name Dr. T. S. Sielhu

Signature of the Chairperson, IQAC

Guidelines of IQAC and submission of AQAR for Autonomous Colleges

Abbreviations:

IQAC - Internal Quality Assurance Cell

SBSSTC - Shaheed Bhagat Singh State Technical Campus

CBCS - Choice Based Credit System

OBE - Outcome Based Education

NBA - National Board of Accreditation

ERP - Enterprise Resource planning

UG - Under Graduate

PG - Post Graduate

B.Tech - Bachelor of Technology

M.Tech - Master of Technology

B.Arch - Bachelor of Architecture

CSE - Computer Science and Engineering

ECE - Electronics and Communication Engineering

CE - Civil Engineering

EE - Electrical Engineering

CHE - Chemical Engineering

ME - Mechanical Engineering

CA - Computer Application

MBA - Master of Business Administration

MCA - Master of Computer Application

PGDCA - Post Graduate Diploma in Computer Application

B.Sc (IT) - Bachelor of Science in Information Technology

MHRD - Ministry Human Resource Development

TEQIP - Technical Education Quality Improvement Programme

ANO - Associate NCC officer

MoU - Memorandum of Understanding

GATE - Graduate Aptitude Test

CCTV - Closed-circuit television

FDP - Faculty Development Programme

DASH - Department of Applied Sciences
