Annual Quality Assurance Report (AQAR)

(For Autonomous Colleges)

2018-2019

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

<u>The Annual Quality Assurance Report (AQAR) of the IQAC</u> (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 2018- 31st May 2019

<u>Part – A</u>

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 o	own campus Yes
• Phone no./Alternate phone no.	01632-242138
• Mobile no.	8288012001
Registered Email	director@sbsstc.ac.in
Alternate Email	deanacademics@sbsstc.ac.in
• Address :	Moga Road, NH 95
• City/Town :	Ferozepur
• State/UT :	Punjab
• Pin Code :	152004
2. Institutional status:	
• Autonomous Status (provide the da	ute of Conformant of Autonomous Status): 29/07/2015
• Type of Institution: Co-education/M	Ien/Women Co-education
• Location : Rural/Semi-urban/Urban	: Rural
• Financial Status: Grants-in aid/ UC	C 2f and 12 (B)/ Self financing State Funded
(please specify)	
• Name of the IQAC Co-ordinator/D	rector: Dr. T. S. sidhu
• Phone no. /Alternate phone no. :	01632-242138
• Mobile:	8288012001
• IQAC e-mail address:	deanacademics@sbsstc.ac.in
• Alternate Email address:	sbs.academics@gmail.com
3. Website address: http://sbsstc.ac.in/policy Web-link of the AQAR: (Previous Ad	

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%202018.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			
Teachers should be allowed to set the question papers who have taught that subject at least two times.	09/01/2019 (7 th IQAC)	115			
HOD should not allocate the subject to the teacher who have taught that subject for the last five year.	09/01/2019 (7 th IQAC)	115			

<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
Institution	TEQIP-II	Centre Govt.	2012-2017 (5 year)	10.0 Crore

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 <u>https://www.sbsstc.ac.in/policyIQAC.php</u>

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.

- Setting of the End semester question paper by the examiner who have taught the subject at least two times
- To increase the knowledge and creativity of the students the subjects taught be changed after teaching the subject for maximum of five times.
- Conduct of three MSTs for all the batches.
- **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
Approval of academic calendar	Approved in IQAC
Responsibility of the teacher regarding the result of the students	Approved in IQAC
taught	

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

Name of the Statutory body : Academic Council Date of meeting(s): 18-12-2018

- **15.** Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning? Yes/No: No Date:
- 16. Whether institutional data submitted to AISHE: Yes

Year: 2019 Date of Submission: 13-02-2019

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 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

<u>Part-B</u>

CRITERION I – CURI				
1.1 Curriculum Design	•			
	-	evision was carried out during the	-	
Name of Program	ime	Programme Code	Date of	Revision
UG		CSE	12/06	5/2018
UG		ECE	17/07	7/2018
UG		EE	06/08	8/2018
PG		MCA	26/09	9/2018
UG		BCA	26/09	9/2018
UG		CHE	12/06	5/2018
UG		ME	26/09	9/2018
1.1.2 Programmes/ cours	es focussed or	n employability/ entrepreneurship	/ skill developme	ent during the
Academic year				
Programme with Code	Date of Introduction			Date of Introduction
B.Tech ECE	20/02/2019		Workshop on Machine Learning and Python Programming	
B.Tech EE	10/08/2018	Mentoring & professional development BMPD101B		10/08/2018
B.Tech CE	04/06/2018	Mentoring & professional dev BMPD101B)	Mentoring & professional development(BMPD101B)	
B.Tech CE	14/01/2019	Mentoring & professional development(BMPD201B		14/01/2019
B.Tech CE	04/06/2018	Fluid Mechanics Lab (BTCE-305A) Strength of Material Lab (BTCE-306A) Survey Lab (BTCE 307A) Training –I (BTCE-308A) Professional Skills –I (BTHU-301A)		04/06/2019
B.Tech CE	14/01/2019	Structural Analysis Lab (BTCE-405A) Professional Skills Lab(BTCE-401A)		14/01/2019
B.Tech CE	04/06/2018	2018 Concrete Technology Lab (BTCE 505A) Transportation Engineering Lab (BTCE- 506A) Training-II (BTCE507A) Professional Skills-III (BTHU-501A)		04/06/2018
B.Tech CE		Computer Aided Structural D	rawing II	

	14/01/2019	(BTCE605A) Geotechnical Engin Professional Skills	neering Lab (BTCE606A) -IV (BTHU601A	14/01/2019
B.Tech CE	04/06/2018	Software Lab (BTC Environmental Lab Training –III (BTC Project-I (BTCE70	9 (BTCE706A) CE707A)	04/06/2018
B.Tech CE	14/01/2019	Project (BTCE804		14/01/2019
Carpenter Wooden Furniture under PMKVY 2	13/08/2018	FFS/Q0102		13/08/2018
1.2 Academic Flexibili	ty			
1.2.1 New programmes/	courses introduce	ed during the Acade	mic year	
Pro	ogramme/Course		Date of introdu	iction
Mentoring and Professional development BMPD101B		08/06/ 2018		
Operations Management		04/06/2018		
Non-Conventional Energy Resources		14/01/201	9	
1.2.2 Programmes in w implemented at the Co		•	BCS)/Elective Course Syste	m

Name of Programme adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
All B. Tech ,M.Tech, BCA,MCA,MBA and B.Arch Courses	08	05	15/06/2015	08	06
PGDCA		01	12/12/2018		01

1.3 Curriculum Enrichment

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

Value added courses	Date of introduction	Number of students enrolled
Consumer Electronics	17/07/2018	11
Mentoring & Professional Development	14/01/2019	93
Professional Skills (BTHU-101A) - (BTHU- 601A)	15/07/2018	28

Mentoring and Profession Development	15/07/2018	154	
NSS	01/06/2018	200	
1.3.2 Field Projects / Internships under take	en during the year		
Project/Programme Title	No. of students enrolled for Field Projects / Internships		
Industrial Training	444		
Survey Camp	59		
Industrial visit		37	
Major Project		09	

1.4.1 Whether 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 obtained from the students is examined and utilized for their further educational improvement. We also try to remove syllabus related difficulties. The Teachers also give relevant feedback and actively contribute towards the development of an institution. The employer takes every care for the overall development of the institution. An alumni and parents are well satisfied with the progress of an institution in all respects.

The feedback from the students is obtained to evaluate teaching-learning process. The feedback is analyzed by the Head of department. The teachers are apprised of the same and are advised to make the appropriate changes in their teaching method if required. Further, the overall academic, administrative, professional development and research contributions of every teacher are analyzed by the Head of department 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.

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.

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1. 1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications Received	Students Enrolled
B. Tech. CSE	126	103	103
M-Tech CSE	18		
B.Tech ECE	63	16	16
M-Tech ECE	18		

B.Tech EE			63			22	17
					22		17
M-Tech PS			18				
B.Tech CE			126			19	19
MCA			63			10	10
PGDCA			60			15	13
BCA			60			80	58
B. Tech. CHE			32			08	05
B.Arch.			20			12	10
B.Tech ME			126			19	19
M-Tech ME			18				
B.Sc. Agricultu	ure		30			40	30
2.2 Catering to	o Student	Diversit	у				
2.2.1. Student -	- Full time	teacher 1	atio (current year	· data)			
	NT 1	C		Number o time teacl		Number of full	
	Number of					time teachers	Number of
Year	students e					available in the	teachers teaching
	in the institu			teaching (institution	both UG and PG
	(UG)		· · · · ·		•	teaching only PG	courses
				UG cours	es	courses	
2018-19	1412		20	10	0	06	09
2.3 Teaching		g Process	5				
2.3.1 Percenta	ge of teacl		g ICT for effective learning resource				ent Systems (LMS),
Number of	Nu	mber of	ICT tools and	l Numb	er of IC	T Number of	E-resources
teachers on ro		ers using			abled	smart	and techniques
	ICT	(LMS, e-	available	clas	srooms	classrooms	used
	Res	ources)					
115		113	LCD Projector	s,	38	38	PPTs, NPTEL
			Internet,				Video Lectures, E-
			Laptop,				Library, E-Books
			NPTEL Video				Software's, online
			Lectures				data bases, e-
							reference books, e-
							thesis, Swayam,
							Lectures through
							PPT, Using ICT
							enabled classroom
							for teaching, Using
							online LMS

		Platforms	Google
		classroom,	Zoom,
		Google mee	et

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

At the beginning of the academic session, the college organises an orientation programme for students of before starting degree course (First Semester) and explain the course structure, syllabus and evaluation process in detail. Students of the college mainly come from low –middle income and low income families and in many cases they are first generation learners and therefore face many challenges in their academic endeavours as well as in social interactions. Teachers of the colleges take special initiative too address any issue faced by the students. All necessary information related to the student such as the contact number, email of the student, category, gender etc are initially collected by the department. Departments also maintain the records of class tests/surprise tests, attendance records, records of student seminars etc related to the reviewing of the performance of the students.

Mentors meet their students and guide them with their studies. 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 of all departments ensures that the students adapt to the dynamic learning environment and lead their ways into highly successful careers.

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.

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 HOD will:

Meet all mentors of the department at least once a month for the reviewing of proper implementation of the system.

Suggest and advise mentors whenever necessary.

Initiate administrative action on a student (when necessary).

Give a detailed report of the mentoring system to the Head of the Institute time to time.

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				
1432	115	01 :12				
2.4 Teacher Profile and Quality						

2.4.1 Nun	nber of t	full time teacher	rs appointed during	the year
No. of sand positi		No. of filled positions	Vacant positions	Positions filled during the current year Wo. off faculty with Ph.D
161		115	46	31 20
(received a	wards, 1			ational, International level from Government,
Year of award	Name of fulltime teachers receiving awards from state level, national level, international level		Designation	Name of the award, fellowship, received from Government or recognized bodies
2018-19	Dr Ra		Professor	Appreciation letter received from Editor-in- Chief for reviewing paper submitted to Journal of Engineering Science and Technology (JESTEC, Malaysia (Scopus indexed)(International level)
2018-19		anjeev Dewra onal Level)	Associate Profess	
2018-19		anjeev Dewra onal Level)	Associate Profess	or Editorial Board Member of Enriched Publications' Pvt. Ltd. From 12/08/2016.
2018-19		anjeev Dewra ational Level.	Associate Profess	Dr Editorial Board Member of American Journal of Optics & Photonics from 22/02/2018.
2018-19	Dr. V (State	ikram Mutneja)	Associate Profess	or Received Certificate of Appreciation for organizing of state level "Inspire Awards- 2019" as Co-coordinator, held at institute on 6th February, 2019 Sponsored by District Administration.
2018-19	Dr. V (State	ikramMutneja)	Associate Profess	or Received Certificate of Appreciation for organizing 4th State Level Mega Job Fair as Co-coordinator, held at institute, under Punjab Government initiative of "Ghar Ghar Rozgar" mission, during 13-22 February, 2019.
2018-19	Inderj (State	eet Singh Gill)	Associate Profess	or Received Certificate of Appreciation for organizing of state level "Inspire Awards- 2019" as Co-coordinator, held at institute on 6th February, 2019 Sponsored by District Administration.
2018-19	Inderj (State	eet Singh Gill	Associate Profess	
2018-19	Inderj (Instit	eet Singh Gill tute)	Associate Profess	or Got Letter of appreciation from Director SBSSTC, Ferozepur for getting admissions

					for the academic yea		
2018-19	Amit Grover (International		stant Profess	-	Editorial Board Member of different Journal like IJRET, IJSER		
2018-19	Amit Grover (Institute)	Assis	ssistant Professor		Got Letter of appreciation from Directo SBSSTC, Ferozepur for doing work for the betterment of the Institute (getting admission for the academic year 2018-19.)		
2018-19	Ms Anupam	Mittal Ass	istant Profes		Appreciation letter received from Co- coordinating for organizing AICTE based FDP of 1 week (8-7-19 to 13-7- 19)		
2018-19	Ms Anupam Mittal A		Assistant Professor		Appreciation letter received from Director for organizing National conference on Communication, Computing and Control System (NCCCES-18) on Dec 2018 at SBSSTC, Ferozepur (as Editorial Board Member and Coordinator)		
2018-19	Dr. Amit Ar		Associate Professor		Certificate of Appreciation as invited speake in International Conference on Advanced Materials, Energy & Environmenta Sustainability (ICAMEES -2018), University of Petroleum and Energy Studies (UPES) Dehradun, India-14th – 15th December- 2018		
2.5 Evaluati	on Process a	nd Reforms					
		om the date of s	semester-en	d/ year- e	end examination till	the declaration of	
results durin Programme Name	ng the year Programme Code	Examination Session	seine		e of the last r-end/ year- mination	Date of declaration of results of semester-end/ year- end examination	
			1 st Semester		19.12.2018	29.01.2019	
		Nov/Dec -	3 rd Semester		10.12.2018	06.02.2019	
		2018	5 th Semester		11.12.2018	01.02.2019	
B. Tech.	ME		7 th Semester		08.12.2019	06.02.2019	
			2 nd Semester		17.05.2019	18.06.2019	
		May/June - 2019	4 th Semester		14.05.2019	08.07.2019	
			6 th Semester		15.05.2019	12.07.2019	

14.06.2019 29.01.2019 08.02.2019
08.02.2019
25.02.2019
31.01.2019
18.06.2019
08.07.2019
15.07.2019
11.06.2019
29.01.2019
01.02.2019
01.02.2019
31.01.2019
18.06.2019
08.07.2019
15.07.2019
24.07.2019

			1 st Semester	19.12.2018	29.01.2019
			3 rd Semester	10.12.2018	01.02.2019
		Nov/Dec - 2018	5 th Semester	11.12.2018	01.02.2019
			7 th Semester	08.12.2019	31.01.2019
			2 nd Semester	17.05.2019	18.06.2019
B. Tech.	ECE	May/June -	4 th Semester	14.05.2019	08.07.2019
		2019	6 th Semester	15.05.2019	15.07.2019
			8 th Semester	10.05.2019	13.06.2019
		Nov/Dec - 2018	1 st Semester	19.12.2018	29.01.2019
			3 rd Semester	10.12.2018	01.02.2019
			5 th Semester	11.12.2018	01.02.2019
B. Tech.	CHE		7 th Semester	11.12.2018	31.01.2019
			2 nd Semester	17.05.2019	18.06.2019
		May/June -	4 th Semester	14.05.2019	08.07.2019
		2019	6 th Semester	15.05.2019	15.07.2019
			8 th Semester	10.05.2019	13.06.2019
			1 st Semester	19.12.2018	29.01.2019

			3 rd Semester	10.12.2018	01.02.2019
		Nov/Dec - 2018	5 th Semester	11.12.2018	01.02.2019
			7 th Semester	08.12.2019	31.01.2019
B. Tech.	CSE		2 nd Semester	17.05.2019	18.06.2019
		May/June -	4 th Semester	14.05.2019	08.07.2019
		2019	6 th Semester	15.05.2019	15.07.2019
			8 th Semester	10.05.2019	10.06.2019
			1 st Semester	24.12.2018	14.03.2019
		CA	3 rd Semester	10.12.2018	01.02.2019
BCA	BCA		5 th Semester	11.12.2018	01.02.2019
			2 nd Semester	15.05.2019	04.07.2019
		May/Jun - 2019	4 th Semester	16.05.2019	08.07.2019
			6 th Semester	15.05.2019	04.07.2019
			3 rd Semester	10.12.2018	01.02.2019
МСА	MCA	Nov/Dec - 2018	5 th Semester	11.12.2018	01.02.2019
			4 th Semester	13.05.2019	08.07.2019
		May/Jun - 2019	6 th Semester	08.05.2019	14.06.2019

		2019	6 th	27.05.201	9 18.07.2019
			Semester	27.05.201	9 18.07.2019
			8 th Semester	14.05.201	9 25.07.2019
B Sc(Agri)	B Sc(Agri)	Nov/Dec - 2018	1 st Semester	19.12.201	8 29.01.2019
B.Sc(Agr1)	B.Sc(Agri)	May/Jun - 2019	2 nd Semester	17.05.201	9 04.07.2019
2.5.2 August		2019	Semester		
					uation against total number
			-		uation/ re-totalling
Numbe	er of complain			er of students	Percentage
	_		ppeared in th	ne examination	Percentage
grievances about evaluation					
grievalle	$\frac{19}{19}$			132	1.3
gnevanc					1.0
grievanc	es about eval	uation a	ppeared in th	ne examination	
	_		ppeared in th	ne examination	Percentage
	_				Percentage
Numbe	er of complain	its or	Total numb	er of students	P
			-		10-101011111g
appeared in	the examinat	ions during th	e year *Do n	ot include re-eval	uation/ re-totalling
					-
2.5.2 Avera	ige percentage	e of Student co	omplaints/gri	evances about eva	uation against total number
2524		6.0, 1, ,	1 / .	1 /	
		-	Semester	17.05.201	9 04.07.2019
B.Sc(Agri)	B.Sc(Agri)	May/Jun -	2 nd	10 00 001	0.007.2010
				19.12.201	8 29.01.2019
		Nov/Dec -	1 st		
		Nov/Dec	1 st		
			Semester	14.05.201	9 25.07.2019
		May/Jun - 2019	8 th	14 05 201	9 25 07 2019
				27.03.201	
			•	27.05.201	9 18.07.2019
			4 Semester	17.05.201	9 08.07.2019
			Semester 4 th		
B. Arch	B. Arch		2 nd	15.05.201	9 04.07.2019
B. Arch	B. Arch		7 th Semester	15.07.201	8 18.02.2019
			Semester	17.12.201	8 01.02.2019
		2018	5 th	17 12 201	01.02.2010
		Nov/Dec -	3 rd Semester	19.12.201	8 31.01.2019
			Semester	17.12.201	8 29.01.2019
		2019	Semester 1 st		
PGDCA	PGDCA	May/Jun - 2019	2 nd	09.05.201	9 04.07.2019
	PGDCA	Nov/Dec - 2018	1 st Semester	10.12.201	8 14.03.2019

CE			https://www.sbsstc.ac.in/dptCEengg.php					
CHE			https://www.sbsstc.ac.in/dptCHengg.php					
ME				https://www.sbsst	c.ac.in/dptMEengg.php			
	CA			https://www.s	sbsstc.ac.in/CO.php			
	Architecture			https://www.sbs	stc.ac.in/dptArch.php			
2.6.2 Pass pe	rcentage of stu	dents						
Programme Code	Programme name	Number of appeared in year exami	students n the final nation Number of students passed in final Semester /year examination		Pass Percentage			
CSE	B. Tech. CSE		117	116	99.14			
ECE	B. Tech. ECE	33		25	75.7			
EE	B. Tech. EE	42		33	78.57			
CE	B. Tech. CE	60		48	80			
MCA	МСА	12		10	83.33			
BCA	BCA		12	9	75			
MBA	MBA		2	2	100			
CHE	B. Tech. CHE		18	14	78			
Architecture	B.Arch		43	37	86			
ME	B.Tech ME		154	108	70.12			
B.Sc.(Agri)	B.Sc.(Agri)	30		28	93.33			
	Stastification S	-						
	t Satisfaction S e) (results and c				nance (Institution may design the			

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 learning process. The weblink for the Students Satisfaction Survey (SSS) of the institute is

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

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 2018-31st May 2019.

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	e of the Date of Awa		Awarding		
	fellowship	Award	Award Agen		Agency		
National							
International							
3.2 Resource Mobilization for Research							
3.2.1 Research funds sanctioned and received from various agencies, industry and other organizations							

5.2.1 Research funds	5.2.1 Research runds 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	2 years	AICTE New Delhi	4.5 Lac	0					
AICTE sponsored MODROB project for "Up gradation of Optical and Wireless Communication laboratory" (sanctioned in 2018- 19)	2 Years	AICTE	7.88 Lac	7.88 Lac					
Minor Projects									
Interdisciplinary Projects									
AICTE sponsored Short term training	0.75 year (9 months	AICTE	2.34 Lac	2.34 Lac					

<u>г</u>				
program of 1 week	from project			
on "Virtual	sanctioned)			
Instrumentation in				
Academics, Research and				
Industry"				
(sanctioned in 2018-				
(sanetioned in 2010 19)				
Industry sponsored				
Projects				
Projects sponsored				
by theUniversity/				
College				
Students Research				
Projects (other than				
compulsory by				
the College)				
International Projects				
- · · · ·				
Any Other (Specify)			14.72 L a a	10.22 L cc
Total	<u> </u>		14.72 Lac	10.22 Lac
-	• • •	ects per teacher	funded by gove	rnment and non-government
agencies during the ye				
Rs. 23.69 Lac sanction	ned to PhD Resea	rch Scholar Ms	s Navjot Kaur un	der the guidance of Dr. Monika
Sachdeva in 2015				
01 project by Dr Kult	tardeep Singh			
3.3 Innovation System	m			
3.3.1 Workshops/Ser			Property Rights	s (IPR) and Industry
Academia Innovative	e practices during	the year		
Title of Work	shop/Seminar	Nam	ne of Dept.	Dates
	shop/Sellinai	Ivan	ie of Dept.	Dates
Seminar on Artificial	I Intelligence and	1	ECE	08/10/2018
Machine Learning"	-			
E2MATRIX-Training				
Institute.	, and Research			
	1 17 1		FOF	12/02/2010
Seminar on "5G Net	v 1	L	ECE	13/02/2019
from NETSIM, Banga				
Workshop on "Mach	-		ECE	20/02/2019-22/02/2019
Python Programming	" by experts from	1		
Monkfox, Bangalore.				
Organized the Semina	ar on "Technology	7	ECE	08/03/2019
Awareness" by exper				
Mohali.				
National Science Day	2019 at Puniah		CE	28/02/2019
Remote Sensing Cent	-			
remote sensing cent				
	ie, Dadmana			
Expert lecture on Stru			CE	11/03/2019

Geo-Matics and	its applications			CE		1	19/03/2019
	Innovation won by	/ Institu	tion/Teacl	-	h sch		
Title of the	Name of the	1	warding A			te of Award	Category
innovation	Awardee			-8)			
Certificate of I	Dr. Amit Arora,	Interna	tional Co	nference	ence 14/12/2018- Certificate of		
Appreciation A	Associate Professor						Appreciation as
11			& Enviro	,	1.	5/12/2018	invited speaker
							invited speaker
			•	CAMEES			
			Universi	•			
			um and E	nergy			
			(UPES),				
		Dehrad	un, India	-			
3.3.3 No. of incu	bation centre create	ed, start-	ups incut	bated on carr	ipus d	uring the yea	r
Incubati	on Centre		Na	me		Sp	oonsored By
Name of t	he Start -up		Nature of	Start-Up		Date of	Commencement
3.4 Research Pu	blications and Aw	ards					
3 1 1 Ph De awar	rded during the Yea	r					
	ē				N	o. of Ph.Ds a	wondod
1	Name of Departmen	IL			IN		warded
	CSE					02	
	CHE	1					
	DASH		Urnals notified on UGC website during the year				
3.4.2 Research P	ublications in the Jo			n UGC web	site du	aring the year	
			o. of				
	Department	Publi	cation		Avera	age impact fa	ctor, if any
Internationa	al CSE	()5			2.5	
Internationa	al ECE	()3				
Internationa)2			0.452	
Internationa			05				
Internationa)3				
Internationa	al MCA	()4			1	
Internationa	al CHE	()5			4.4	
Internationa	al DASH		34				
Internationa			20			0.5	
memanone		2	-0			0.5	
3.4.3 Books	and Chapters in	edited	Volum	es / Book	s pu	blished, and	papers in
	ational Conference				-		1 1
	Department				-	No. of Public	cation

	CSE				05	;	
	ECE				01		
	EE				03	3	
	CE		03				
	MCA				01	-	
	CHE				04	Ļ	
	DASH				04	Ļ	
3.4.4 Patents published	ed/awarded du	uring the year					
Patent Detail	Patent Status	Pate	ent Number		Date of Awar	rd	
Inhibition of F	iled on 02-03-	2016 with	3	11303		16/04/2019	
Gas Hydrate A	pplication No	. 201611007370					
Formation by a							
Novel Green							
Kinetic							
Inhibitor							
3.4.5 Bibliometrics	of the publica	tions during the las	st Ac	ademic year	based on a	verage citatio	n index in
Scopus/ Web of Sci	-			=		-	
Title of Paper	Name of	Title of the journ	nal	Year of	Citation	Institutiona	Number
_	the			Publication	Index	l affiliation	of
	Author					as	citations
						mentioned	excluding
						in the	self
						publication	citations
D-FAC: A novel Phi-	- Sunny	Elsevier Journal o	of				
Divergence based	Behal,	King Saud					
DDoS defense	Krishan	University-		2018		SBSSTC,	9
System	Kumar,	Computer and				Ferozepur	
	Monika	Information					
	Sachdeva	Sciences					
D-FACE: An	Sunny	Elsevier Journal o	of				
anomaly based	Behal,	Network and				CDCCTC	
distributed approach	Krishan	Computer		2018		SBSSTC,	33
to detect DDoS	Kumar,	applications				Ferozepur	
attacks and FEs	Monika	(JNCA)					
	Sachdeva						
Features Extraction	Poonam	International					
using Local Binary	Rani,	Journal of				SBSSTC,	
Patterns and	Sonika	Computer		2018		Ferozepur	
Steerable Pyramids	Jindal	Applications				reiozepui	
for Efficient Image							
Retrieval			_				
A generalized	Sunny	Turkish Journal of	f	2018		SBSSTC,	8
information theory-	Behal,	Electrical		2010		Ferozepur	0
based detection	Monika	Engineering &					

denial of service attack and flash eventsKinmarGI International Guyal, Journal of Natural Or Face Recognition Sunny Computing Behal Research (UNCR)2018Image Service FerozepurSBSSTC, FerozepurSBSSTC, Ferozepur Heart Disease Prediction System Singh, Using Hybrid Sonika A Multiple Object CassificationNuernational Index Index Advance Research, Ideas and Jindal2018 FerozepurSBSSTC, Ferozepur Ferozepur FerozepurA Multiple Object CassificationGagande International JindalInnovations in Technology2018 FerozepurSBSSTC, Ferozepur FerozepurA Multiple Object CassificationGagandee International JindalResearch, Ideas and Appleations2018 FerozepurSBSSTC, Ferozepur FerozepurA Novel CassificationSingh, Journal of Advance Singh, Journal of Journal of Appleations2018 FerozepurSBSSTC, Ferozepur FerozepurA Novel CassificationGagandee International AppleationsComputer Appleations2018 FerozepurSBSSTC, Ferozepur FerozepurOn QoS evaluation Vireless Sensor Vishal RoreakVishal InformationJournal of King Appleiations2018 FerozepurSBSSTC, Ferozepur2On QoS evaluation Vishal RoreakVishal InformationJournal of King Appleiations2018 FerozepurSBSSTC, Ferozepur </th <th>system for distributed</th> <th>Sachdeva,</th> <th>Computer Sciences</th> <th></th> <th></th> <th></th>	system for distributed	Sachdeva,	Computer Sciences			
attack and flash events Kumar GI International Journal of Natural 2018 Journal of Natural 2018 Journal of Natural 2018 Journal of Natural Journal of Advance Journal of Journal of Journal of Advance Journal of Jo	•	· · · · ·	computer sciences			
eventsickickIcitInternational IcitIcitIcitIcitIcitAn Improved LBP Blockwise Method GoraGounaJournal of Natural 						
An Improved LBP Nikhil IGI International Journal of Natural Computing 2018 SBSSTC, Ferozepur Bockwise Method Sunny Computing 2018 SBSSTC, Ferozepur Heart Disease Navdeep International Journal of Advance 2018 SBSSTC, Ferozepur Heart Disease Navdeep International Innovations in Technique of Data Multiple Object Gagandee International Innovations in Technology 2018 SBSSTC, Ferozepur A Multiple Object Classification Gagandee International Innovations in Technology 2018 SBSSTC, Ferozepur A Hybrid Technique for Assesment of Singh, Journal of Avance Sonika International Computer 2018 SBSSTC, Ferozepur A Novel Gagandee Sonika International Journal of Computer 2018 SBSSTC, Ferozepur A Novel Gagandee Sonika International Journal of King 2018 SBSSTC, Ferozepur A Novel Gagandee Sonika International Journal of King 2018 SBSSTC, Ferozepur		Kumai				
Blockwise Method Goyal, Sunny Journal of Natural Computing 2018 SBSSTC. Ferozepur Heart Disease Navdeep International 2018 SBSSTC. Ferozepur Heart Disease Navdeep International 2018 SBSSTC. Ferozepur Mining Algorithms Technology SBSSTC. Ferozepur SBSSTC. Ferozepur A Multiple Object Gagandee International SBSSTC. Ferozepur Scene Recognition Sonika Research, Ideas and with Scene Adaptive Navdes SBSSTC. Ferozepur Classification Singh, Journal of Advance 2018 SBSSTC. Ferozepur A Novel Gagandee International 2018 SBSSTC. Ferozepur A Novel Gagandee International 2018 SBSSTC. Ferozepur A Novel Gagandee International 2018 SBSSTC. Ferozepur A Novel G		Nikhil	ICI International			
For Face Recognition Behal Heart DiseaseNavdeep International rechnologyComputing Research (INCR)Computing Research (INCR)FerozepurHeart DiseaseNavdeep International Prediction System Mining AlgorithmsSingh, Journal of Advance Technology2018 FerozepurSBSSTC, FerozepurA Multiple ObjectGagandee International TechnologyInternational TechnologySBSSTC, FerozepurA Multiple ObjectGagandee International International Analysis for Indoor ClassificationInternational Technology2018 FerozepurSBSSTC, FerozepurClassificationSonika TechnologyComputer Technology2018 FerozepurSBSSTC, FerozepurA NovelGagandee International for Assesment of Approach Capable SonikaInternational Applications2018 FerozepurSBSSTC, FerozepurA NovelGagandee International Approach Capable SonikaComputer Applications2018 FerozepurSBSSTC, FerozepurOn QoS evaluation Wireless Sensor Vishal Computer Moriak MovikaJournal of King Saud University - Sciences2018 FerozepurSBSSTC, Ferozepur2Perozepus Sensor Networks Surgey based Self- Network (IEEE Sarama, SciencesSingh, Journal of Saud University - Sciences2018 FerozepurSBSSTC, Ferozepur2Perozepus Senso				2010	SBSSTC,	
Flor Ace recognition Sumy Computing Behal Research (IJNCR) Image and the search of the		•		2018	 , ,	
Heart DiseaseNavdeepInternational2018SBSSTC, FerozepurSBSSTC, FerozepurPrediction SystemSingh, Journal of Advance2018SBSSTC, Ferozepura Multiple ObjectGagandeeInternational Incovations in Technology2018SBSSTC, 	For Face Recognition	•			1	
Prediction System using HybridSingh, SonikaJournal of Advance Research, Ideas and Innovations in Technology2018 FerozepurSBSSTC, Ferozepur FerozepurA Multiple Object A Multiple Object CassificationGagandee International Indal Mining AlgorithmsInternational Research, Ideas and Innovations in Technology2018 FerozepurSBSSTC, Ferozepur FerozepurA Multiple Object ClassificationGagandee International IncendingInternational Perotecast2018 FerozepurSBSSTC, Ferozepur FerozepurA Hybrid Technique ClassificationNavdeep International I frechnologyInternational Opplications2018 FerozepurSBSSTC, Ferozepur FerozepurA Novel ClassificationGagandee Indal ApplicationsInternational Opplications2018 FerozepurSBSSTC, Ferozepur FerozepurA Novel Indoor Scene Picture Jindal Approach Capable SensorSonika SonikaComputer Computer2018 FerozepurSBSSTC, Ferozepur FerozepurOn QoS evaluation Vishal SolutionVishal InformationJournal of King Information2018 FerozepurSBSSTC, Ferozepur2On QoS evaluation Vishal SolutionVishal InformationSciences2018 FerozepurSBSSTC, Ferozepur2Network (IEEE Sharma, SociencesNavpreet InformationComputer Informatio	Heart D'anna		, ,			
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Mining AlgorithmsTechnologyImage: Constraint of the constraint of th			,		 Ferozepur	
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Scene Recognition with Scene Adaptive ClassificationSonika IndalResearch, Ideas and Innovations in Technology2018Internet FerozepurFerozepurImage: ClassificationA Hybrid Technique for Assesment of Heart SicknessNavdeep Singh, Journal of ApplicationsInternational Applications2018Image: ClassificationSBSSTC, FerozepurImage: Classification FerozepurImage: Classification FerozepurSBSSTC, FerozepurImage: Classification P Singh, Journal of Approach Capable SonikaComputer Applications2018Image: Classification SubstrationSBSSTC, FerozepurImage: Classification P Singh, Journal of Approach Capable IndalComputer Applications2018Image: Classification SubstrationSBSSTC, FerozepurImage: Classification SubstrationSBSSTC, FerozepurImage: Classification SubstrationSBSSTC, FerozepurImage: Classification SubstrationSBSSTC, FerozepurImage: Classification SubstrationImage: Classification SubstrationSBSSTC, FerozepurImage: Classification SubstrationSBSSTC, FerozepurImage: Classification SubstrationImage: Classif		-				
Scene Recognition Sonika Research, ideas and Innovations in Classification Incohology International Singh, Journal of Singh, Journal of Sonika Computer Sonika Computer Sonika Computer Jindal Applications Sonika Computer Sonika Computer Jindal Applications Sonika Computer Sonika Computer Jindal Applications Sonika Computer Jindal Applications Sonika Computer Jindal Applications Porecast Jindal Applications 2018 SBSSTC, Ferozepur SBSSTC, Indexistrational Classification with Hybrid Feature Selection Algorithm On QoS evaluation Vishal Journal of King for ZigBee Kumar Saud University - incorporated Arora, Computer and Wireless Sensor Vishal Information Sciences Sonika Sciences Sonika Computer Arora, Computer and Sciences Sachdeva Self- Navpreet International Sciences Kumar Applications Actional Sciences Kumar Applications Actional Sciences Such Arora, Computer Sensor Networks Arora, Richa Sawhney Dilty, International Computer Sensor Networks Arora, Science Such Arora, Sensor Networks Arora, Sensor Networks Arora, Science Such Arora, Sensor Networks Arora, Science Such Arora, Sensor Networks Arora, Sensor Networks Arora, Science Such Arora, Scie	=	1 0		2018	SBSSTC,	
ClassificationTechnologyInternational 2018SBSSTC, FerozepurSBSSTC, FerozepurA Hybrid Technique for Assesment of Heart SicknessSonika SonikaComputer Computer2018SBSSTC, FerozepurA Novel Classification Approach Capable Indoor Scene Picture Identification with Hybrid Feature Selection AlgorithmInternational ComputerOn QoS evaluation for ZigBee Nicorporated Wireless SensorVishal InformationJournal of King Saud University - Incorporated Nicorporated Sonika2018SBSSTC, FerozepurOn QoS evaluation for ZigBee Nicorporated Nicorporated NotikalJournal of King Saud University - Information2018SBSSTC, Ferozepur2Detersy based Self- Organizing Tree- Strategy for Wireless Sensor Networks Sensor Networks A rora, Richa SawhneyJournal of Computer Applications2018SBSSTC, Ferozepur2Tree-Based EnergyDolly,International International Computer2018SBSSTC, FerozepurTree-Based EnergyDolly,International International Computer2018SBSSTC, FerozepurTree-Based EnergyDolly,International International Computer2018SBSSTC, FerozepurTree-Based EnergyDolly,International International Computer2018	C		,	2010	 Ferozepur	
A Hybrid Technique for Assesment of Heart Sickness ForecastNavdeep 	_	Jindal				
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International StellessJointalComputerForecastJindalApplicationsA NovelGagandeeInternationalSBSSTC,Classificationp Singh,Journal ofSBSSTC,Approach CapableSonikaComputerFerozepurIndoor Scene PictureJindalApplications2018SBSSTC,Identification withJournal of KingFerozepurMybrid FeatureSaud UniversitySBSSTC,Selection AlgorithmSaud UniversitySBSSTC,2On QoS evaluationVishalJournal of KingSBSSTC,2for ZigBeeKumarSaud UniversityFerozepur2incorporatedArora,Computer and2018SBSSTC,2Wireless SensorVishalInformation2018SBSSTC,2Network (IEEESharma,SciencesSBSSTC,802.15.4) usingMonikaJournal ofSBSSTC,Organizing Tree-Kaur,Journal ofSBSSTC,based RoutingVishalComputerSBSSTC,Sensor NetworksArora,RichaSBSSTC,Sensor NetworksArora,RichaSBSSTC,Tree-Based EnergyDolly,		-		2018	 , ,	
A Novel Classification Approach Capable Indoor Scene Picture Identification with Hybrid Feature Selection AlgorithmInternational 	Heart Sickness	Sonika	Computer		Ferozepur	
Classification Approach Capable Indoor Scene Picture Identification with Hybrid Feature Selection AlgorithmJournal of Computer Applciations2018SBSSTC, FerozepurOn QoS evaluation for ZigBee incorporated Wireless SensorVishal Arora, VishalJournal of King SciencesSBSSTC, FerozepurWireless Sensor Wishal MonikaKumar MonikaSaud University - SciencesSBSSTC, Ferozepur2Energy based Self- Dased Routing Strategy for Wireless Sensor NetworksNavpreet KumarInternational Omputer Arora, SciencesSBSSTC, Ferozepur2Tree-Based EnergyDolly,International Arora, Summar2018SBSSTC, FerozepurTree-Based EnergyDolly,International Arora, Richa Sawhney2018SBSSTC, FerozepurTree-Based EnergyDolly,International Arora, Richa Sawhney2018SBSSTC, FerozepurTree-Based EnergyDolly,International Arora, Richa SawhneySBSSTC, Ferozepur	Forecast	Jindal	Applications			
Approach Capable Indoor Scene Picture Identification with Hybrid Feature Selection AlgorithmSonikaComputer Appleiations2018SBSSTC, FerozepurOn QoS evaluation for ZigBeeVishalJournal of King Saud University - incorporatedJournal of King Computer and InformationSBSSTC, FerozepurWireless SensorVishalInformation2018SBSSTC, Ferozepur2802.15. 4) using mobile sensor nodesSachdevaSciencesSBSSTC, Ferozepur2Energy based Self- Organizing Tree- Based RoutingNavpreetInternational Computer Arora, Arora, Arora, Sensor NetworksComputer Arora, Arora, Arora, Arora, Applications2018SBSSTC, FerozepurTree-Based EnergyDolly,International Arora, Richa Bawhney2018SBSSTC, FerozepurTree-Based EnergyDolly,International Arora, Richa Bawhney2018SBSSTC, Ferozepur	A Novel	-	International			
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Hybrid Feature Selection AlgorithmIndex <td>Indoor Scene Picture</td> <td>Jindal</td> <td>Applciations</td> <td>2018</td> <td> Ferozepur</td> <td></td>	Indoor Scene Picture	Jindal	Applciations	2018	 Ferozepur	
Selection AlgorithmImage:	Identification with				-	
On QoS evaluationVishalJournal of King Saud University - IncorporatedSaud University - Computer and 	Hybrid Feature					
for ZigBeeKumarSaud University - Computer and Information2018Image: Sigma for the	Selection Algorithm					
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Energy based Self- Organizing Tree- based RoutingNavpreet Kaur, 	802.15. 4) using	Monika				
Organizing Tree- based RoutingKaur, VishalJournal of Computer2018SBSSTC, FerozepurSBSSTC, FerozepurStrategy for Wireless Sensor NetworksKumar Arora, Richa SawhneyApplications2018SBSSTC, FerozepurTree-Based EnergyDolly,International2018SBSSTC	mobile sensor nodes	Sachdeva				
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Strategy for Wireless Kumar Applications 2018 — Ferozepur Sensor Networks Arora, Richa — Ferozepur — Sawhney International 2018 — SBSSTC, —		Vishal	Computer		SBSSTC	
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Networks	Richa	II				
	Sawhney					
Adaptive M-SVM	Gagandee	International				
Classification Model	p Singh,	Journal of Advance				
qualified Indoor	Sonika	Research, Ideas and	2018		SBSSTC,	
Scene Images with	Jindal	Innovations in	2018		Ferozepur	
Hybrid Feature	Jillaul	Technology				
Selection Approach		reennoiogy				
Performance	Anjali	Journal of Optical				
Analysis of 4 X 10	Koundal,	Communication			CDCCTC	
Gbps OFDM-PON	Sanjeev	Communication	2017	04	SBSSTC,	04
System over ROF	Dewra				Ferozepur	
Link	Dewla					
Investigation of 16×	Aruna	Journal of Optical				
10 Gbps DWDM	Rani,	Communications				
system based on	Kani, Sanjeev	Communications	2015		SBSSTC,	
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-	p Kaur,	Communications				
g technique for	Sanjeev		2017	03	SBSSTC,	03
optical time-division	Dewra				Ferozepur	
multiplexing:						
comparison of EAM,						
MZM and AM	•					
Performance of bus	Aruna	Journal of Optical			SBSSTC,	
and ring network	Rani,	Communications	2017	02	Ferozepur	02
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SOA bias current	Dewra					
Performance	Manveer	Journal of optical				
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system with different	Sanjeev				SBSSTC,	
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surveillance videos	Singh	Optics,	2018	04	Technical	04
using motion and			2010	04	University,	
skin color					•	
segmentation					Kapurthala	
Electrically Small	Rajni,	Wireless Personal		1		
Microstrip Patch	R., Marwa	Communications		1	CDCCTC	
Antenna Loaded with	ha, A.		2017		SBSSTC,	
Spiral Resonator for					Ferozepur	1
Wireless						
Applications						
On the detection of		Wireless Personal				
Cardiac Arrhythmia	Kaur,	Communications			SBSSTC,	
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Component Analysis	R.				renozepun	6
Electrocardiogram	Kaur,	Turkish Journal of	2017	7		
signal analysis for R-	H., Rajni,	Electrical				
peak detection and	R.	Engineering and				
denoising with		Computer Sciences				
hybrid linearization		I I I I I I I I I I I I I I I I I I I			SBSSTC,	7
and principal					Ferozepur	'
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Distinctive approach	Rajni	Journal of				
to design tree in		Engineering			SBSSTC,	
Wavelet Packet		Science and	2017	2	Ferozepur	
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A Novel Approach	Rajni	Journal of				
For Denoising		Engineering			SBSSTC,	
Electrocardiogram		Science and	2017	1	Ferozepur	1
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Determination of	Rajni	Journal of				
electromagnetic	5	Engineering				
parameters of a new		Science and	2018		SBSSTC,	
metasurface		Technology	2018		Ferozepur	
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An Analysis of AI-	Gulshan Kumar	Big Data Analytics: A Social Network				
based Supervised Classifiers for	Kuillai	A social Network Approach	2018		SBSSTC,	
Intrusion Detection		Approach	2010		Ferozepur	
in Big Data						
Treatment of waste	Amit	Pollution Research				
water through	Arora,					
electro-coagulation.	Rajwant					
	Kaur,			18		
	Amandeep		2018	10	SBSSTC,	
	Kaur,		2010		Ferozepur	
	Narendra					
	Singh,					
	Sangeeta					
	Sharma					
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reverse micellar	Vour			0.86		
extraction and	Sangeeta	Detergents	2018	0.00	SBSSTC,	
recovery of mixed	Sharma		2010		Ferozepur	
ionic dyes from	and Ekta					
textile effluent.	Khosla					
Role of Surfactants		Tenside Surfactant				
CPC and CTAB in	kaur,					
the reverse micellar	Sangeeta	Detergents	2018	0.86	SBSSTC,	
extraction of Ternary	Sharma,		2018	0.80	Ferozepur	
mixture of acid dyes	Ekta				-	
from textile effluent.	Khosla					
Study of biological		Asian journal of				
treatment of Paper-	-		• • • • •	29	SBSSTC,	
1		chemistry,	2018		Ferozepur	
Pulp effluent	Sangeeta				1	
Varians west 1.0	Sharma	Indian i				
Various methods for	Sangeeta	Indian journal of		0.68	SBSSTC,	
removal of dyes from	Sharma &	science and	2018		Ferozepur	
industrial effluents- a	-	technology			renozepui	
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Investigation of	Richa,	Int. Journal of				
optical and dielectric		Scientific Research			SBSSTC,	
properties of Nickel	500	and Review	2019		Ferozepur	
Zinc Ferrites	Ahlawat &				rerozepui	
Synthesized at	Amrik					
different pH values	Singh,					
BER reduction in	Simmi	Research &			SBSSTC,	
DWT-OFDM	C,	Reviews: Journal of	2019		Ferozepur	
systems using a		Physics			i crozopui	
Novel Error	Anand K.					

Correction Scheme	Tyagi.					
Novel Carbohydrate	Lalit	Tenside Surfactants				
Based Non-Ionic	Sharma	Detergents				
Gemini Surfactants		Hanser, Germany				
with Flexible Spacer						
as Reverse Micellar				0.75	anaama	
Systems for			2010	0.70	SBSSTC,	
Encapsulation of D-			2018		Ferozepur	
and L-Enantiomers of						
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Amino Acids in <i>n</i> -						
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Carbohydrate	Lalit	Mini Reviews in				
Derived Non-ionic	Sharma	Organic Chemistry			SBSSTC,	
Gemini Surfactants:			2018	1.12	ŕ	
GeminiA Mini					Ferozepur	
Review						
Impact of Reading	Sunanada	Research Review			SDSSTC	
Practices on Job	Sharma,	International	2018		SBSSTC,	
Satisfaction of	Raminder	Journal of			Ferozepur	
College Teachers	Pal Singh	Multidisciplinary				
A Study of	Nidhi	Research Review				
Investors' Behaviour	Aggarwal,	International			CDCCTC	
towards Mutual Fund	Raminder	Journal of	2018		SBSSTC,	
with reference to	Pal Singh	Multidisciplinary			Ferozepur	
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(Punjab)						
Dynamical Analysis	Ð a m Innova	t Bol Di bic us Pan an.			SDSSTC	
Model with	Rakesh	Mat.	2018		SBSSTC,	
Evaluation Period	Kumar				Ferozepur	
Delay Induced	Dr.	East Asian Journal				
Hopf Bifurcation in	Rakesh	on Applied				
a Nonlinear	Kumar	Mathematics	2018		SBSSTC,	
Innovation			2010		Ferozepur	
Diffusion Model:						
External Influences						
Effect						
Stability and	Dr.	Acta Mathematica				
bifurcation analysis	Rakesh	Scientia, English	2018		SBSSTC,	
of a	Kumar	Series	2018		Ferozepur	
delayed innovation						
diffusion model						

Experimental Study	Rakesh	Heat Transfer			
on Effectiveness of	Kumar &				
		Engineering	2018	SBSSTC,	
Celdek Packed	Arun	Taylor & Francis		 Ferozepur	
Liquid Desiccant	Kumar				
Cooling System	Asati				
Effect of parameters	Balit	Research Journal of			
on earth air heat	Singh,	Engineering and			
exchanger in hot-dry	Arun	Technology	2018	SBSSTC,	
climate	Kumar		2018	 Ferozepur	
	Asati &				
	Rakesh				
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exchanger in hot-dry	Arun	and Technology,		SBSSTC,	
climate	Kumar		2018	 Ferozepur	
	Asati &			renozepui	
	Rakesh				
	Kumar				
Secondary Stage	S.Singh	The Journal of			
Creep Deformations	Sandhu, T.	Emerging			
and Stresses in Thick	Singh and	Technologies and	2018	SBSSTC,	
Spherical Vessels	V. K.	Innovative	2018	 Ferozepur	
Considering Plain	Gupta	Research			
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Effect of Pressure	S.Singh	The Journal of			
Ratio on	Sandhu, T.			GDGGTG	
Tangential/Axial		Technologies and	2018	 SBSSTC,	
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Spherical Vessels		Research			
Study and Analysis	Gupta Sukhiinder	The Journal of			
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of Travelling Wire	Singh	Emerging		SBSSTC,	
Electrochemical	Sandhu	Technologies and Innovative	2018	 Ferozepur	
Spark Machining.	and				
	Ramandee	Research			
	p Singh			 	
Comparative	5	The Journal of			
Analysis of Polymer	Singh	Emerging			
Matrix Composites	Sandhu	Technologies and	2018	SBSSTC,	
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Injection and	Ramandee	Research			
Compression	p Singh				
Molding.					
Comparative	5	The Journal of	2018	 SBSSTC, Ferozepur	
Analysis of Electric	Singh	Emerging		 rerozepui	

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Hard to Cut Material.	Sandhu	Technologies and	2018		Ferozepur	
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		Research				
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Forming Analysis of	-	The Journal of				
Polymer Materix	Singh	Emerging			CDCCTC	
Composite.	Sandhu	Technologies and	2018		SBSSTC,	
	and	Innovative			Ferozepur	
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Effect of Pressure	Sandhu	Journal of				
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Tangential/Axial	Singh,	Technologies and	2018		SBSSTC,	
Stress in Thick	Tejeet and	Innovative			Ferozepur	
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Stresses in Thick-	Singh,	in Advent			SBSSTC,	
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Stress						
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Walled Composite	Singh,	Computational	2018		SBSSTC,	
Cylinders under	Tejeet and	Engineering	_010		Ferozepur	
Internal and External	Singh, H.	Research				
Pressures						
Static and Fatigue	Pandher	Asian Journal of			SBSSTC,	
Analysis of Carbon	C.S., Brar	Engineering and	2018		Ferozepur	
Epoxy Reinforced	G.S., and	Applied			Ĩ	
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Composite Leaf	Singh,	Technology				
Spring	Tejeet					
Occupational hearing	Bhambari,	Industrial				
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Body Vibration	K., Singh,	Engineering and			SBSSTC,	
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Indian Forging Unit	Singh, H.					
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Effect of	Neha	Indian Journal of	2018		SBSSTC,	

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flash events IGI Improved LBP Nikhil IGI An Improved LBP Nikhil International Journal of Sunny Behal Journal of SBSSTC, Recognition Sunny Behal Journal of Natural 2018 0 SBSSTC, Heart Disease Navdeep International Journal of 2018 0 SBSSTC, Prediction System Singh, Journal of Research, Ideas	distributed denial of	Kumar	Sciences				reiozepui
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Technique of DataResearch, IdeasImage: Computer of DataResearch, IdeasImage: Computer of DataFerozepurMining Algorithmsand Innovations in Technologyand Innovations in TechnologyInternationalFerozepurA Multiple ObjectGagandeepInternationalFerozepurSBSSTC,Analysis for IndoorSingh,Journal ofSonika JindalAdvance2018Image: Computer of DataScene RecognitionSonika JindalAdvance2018Image: Computer of DataSBSSTC,ClassificationInternationalInternationalFerozepurFerozepurA Hybrid TechniqueNavdeepInternational2018Image: Computer of Singh,SBSSTC,Heart SicknessSonika JindalComputer2018Image: Computer of Singh,SBSSTC,A NovelGagandeepInternationalComputerSBSSTC,FerozepurA NovelGagandeepInternational2018Image: Computer of Singh,SBSSTC,A NovelGagandeepInternationalFerozepurSBSSTC,Approach CapableSonika JindalComputer2018Image: Computer of SubstanceSBSSTC,Approach CapableSonika JindalComputer2018Image: ComputerSBSSTC,Approach CapableSonika JindalComputer2018Image: ComputerSBSSTC,	using Hybrid	Sonika Jindal	Advance	2018			SBSSTC,
Image: A Multiple Object Analysis for Indoor Scene Recognition with Scene Adaptive ClassificationGagandeep Sonika Jindal Advance new and Innovations in TechnologyInternational Advance Research, Ideas and Innovations in Technology2018Image: Classification Prevention of ClassificationSBSSTC, FerozepurA Hybrid Technique for Assesment of Heart Sickness ForecastNavdeep Sonika Jindal International ComputerInternational Preventional Computer2018Image: ClassificationSBSSTC, FerozepurA Novel ClassificationGagandeep Singh, Journal of Journal of A pplicationsInternational Preventional Computer2018Image: Classification FerozepurSBSSTC, FerozepurA Novel Classification A pproach CapableGagandeep Sonika Jindal ComputerInternational Computer2018Image: Classification Preventional ComputerSBSSTC, Ferozepur	Technique of Data		Research, Ideas	2010			Ferozepur
A Multiple Object Analysis for IndoorGagandeep Singh, Sonika JindalInternational Journal of Advance2018	Mining Algorithms		and Innovations				
Analysis for Indoor Scene Recognition with Scene Adaptive ClassificationSingh, Sonika JindalJournal of Advance Research, Ideas and Innovations in Technology2018SBSSTC, FerozepurA Hybrid Technique for Assesment of Heart SicknessNavdeep Singh, Sonika JindalInternational Computer Applications2018SBSSTC, FerozepurA Novel ClassificationGagandeep Singh, Journal of Lownal of Approach CapableInternational Singh, Journal of Lownal of Computer2018SBSSTC, FerozepurA Novel Classification Approach CapableGagandeep Sonika Jindal ComputerInternational Lownal of Lownal of Computer2018SBSSTC, Ferozepur			in Technology				
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with Scene Adaptive ClassificationResearch, Ideas and Innovations in Technology2018——FerozepurA Hybrid Technique for Assesment of Heart SicknessNavdeep Singh, Sonika JindalInternational Computer Applications2018——SBSSTC, FerozepurForecastGagandeepInternational Computer2018——SBSSTC, FerozepurA Novel ClassificationGagandeepInternational Dournal of Approach CapableJournal of Sonika Jindal2018——Classification Approach CapableSonika Jindal Sonika JindalComputer Computer2018——FerozepurFerozepurForecastGagandeepInternational Surgh, Journal of Computer2018——Ferozepur	Analysis for Indoor	Singh,	Journal of				
with Scene Adaptive ClassificationResearch, Ideas and Innovations in TechnologyInternational 2018FerozepurA Hybrid Technique for Assesment of Heart SicknessNavdeep Singh, A pplicationsInternational Computer Applications2018SBSSTC, FerozepurA Novel ClassificationGagandeep Singh, Journal of Approach CapableInternational Journal of ComputerSBSSTC, FerozepurApproach CapableSonika Jindal Sonika JindalComputer Computer2018SBSSTC, Ferozepur	Scene Recognition	Sonika Jindal	Advance	2018			SBSSTC,
Image: International for Assessment of Heart SicknessNavdeepInternational of Singh, Journal of Computer2018Image: Image: Ima	with Scene Adaptive		Research, Ideas	2010			Ferozepur
A Hybrid Technique for Assesment of Heart SicknessNavdeep Singh, Sonika Jindal ApplicationsInternational Omputer Applications2018SBSSTC, FerozepurA Novel Classification Approach CapableGagandeep Sonika Jindal ComputerInternational Journal of Computer2018SBSSTC, FerozepurA Novel Classification Approach CapableGagandeep Sonika Jindal ComputerInternational Computer2018SBSSTC, Ferozepur	Classification		and Innovations				
for Assesment of Heart SicknessSingh, Sonika JindalJournal of Computer Applications2018SBSSTC, FerozepurForecastGagandeepInternational Journal of Approach CapableInternational Sonika Jindal2018SBSSTC, Ferozepur			in Technology				
Heart Sickness ForecastSonika Jindal ApplicationsComputer Applications2018——FerozepurA Novel Classification Approach CapableGagandeep Singh, Sonika JindalInternational Journal of Computer2018———Ferozepur2018SBSSTC, Ferozepur	A Hybrid Technique	Navdeep	International				
Heart SicknessSonika JindalComputer ApplicationsImage: Computer ApplicationsImage: Computer ApplicationsA NovelGagandeepInternational Journal of Approach CapableSonika JindalComputer2018Image: ComputerApproach CapableSonika JindalComputer2018Image: ComputerFerozepur	for Assesment of	Singh,	Journal of	2019			SBSSTC,
A NovelGagandeepInternationalClassificationSingh,Journal ofApproach CapableSonika JindalComputer2018Ferozepur	Heart Sickness	Sonika Jindal	Computer	2018			Ferozepur
A NovelGagandeepInternationalClassificationSingh,Journal ofApproach CapableSonika JindalComputer2018Ferozepur	Forecast		Applications				
Approach Capable Sonika Jindal Computer 2018	A Novel	Gagandeep	International				
Approach Capable Sonika Jindal Computer – Ferozepur	Classification	Singh,	Journal of	2019			SBSSTC,
Indoor Scene Applciations	Approach Capable	Sonika Jindal	Computer	2018			Ferozepur
	Indoor Scene		Applciations				

Picture					
Identification with					
Hybrid Feature Selection Algorithm					
-	Viabal	Issumal of Vin a			
On QoS evaluation	Vishal	Journal of King			
for ZigBee	Kumar	Saud University			
incorporated	Arora, Vishal	- Computer and	2010	2	SBSSTC,
Wireless Sensor	Sharma,	Information	2018	 2	Ferozepur
Network (IEEE	Monika	Sciences			-
802.15. 4) using	Sachdeva				
mobile sensor nodes					
Energy based Self-	Navpreet	International			
Organizing Tree-	Kaur, Vishal	Journal of			
based Routing	Kumar	Computer	2018		SBSSTC,
Strategy for	Arora, Richa	Applications	2010	 	Ferozepur
Wireless Sensor	Sawhney				
Networks					
Tree-Based Energy	Dolly, Vishal	International			
Efficient Clustered	Kumar	Journal of			SBSSTC,
Routing Strategy for	Arora, Richa	Computer	2018	 	· · ·
Wireless Sensor	Sawhney	Applications			Ferozepur
Networks					
Adaptive M-SVM	Gagandeep	International			
Classification	Singh,	Journal of			
Model qualified	Sonika Jindal	Advance			CDCCTC
Indoor Scene		Research, Ideas	2018	 	SBSSTC,
Images with Hybrid		and Innovations			Ferozepur
Feature Selection		in Technology			
Approach					
Chemically	Balpreet	Microporous			
activated	Kaur, Raj	and			
nanoporous carbon	Kumar	Mesoporous			
adsorbents from	Gupta,	Materials	0010	10	Thapar Institute
waste plastic for	HaripadaBhu		2019	 10	of Engg. &Tech.,Patiala
CO2 capture:	nia				œ i cen.,i attala
Breakthrough					
adsorption study					
Porous carbons	BalpreetKaur	Journal of			
derived from	Jasminder	Environmental			
polyethylene	Singh, Raj	Management			Thapar Institute
terephthalate (PET)	Kumar	Jungomont	2019	2	of Engg.
waste forCO2	Gupta,		2017	 -	&Tech.,Patiala
capture studies	HaripadaBhu				a i com, i utulu
-	nia				
Application of	Surindersing	International	2018	 	SBSSTC,

central composite	h,	Journal o	of					Ferozepur
design in adsorption	KshamaGaut	Computa	tional					
of malachite green	am, Rajiv	Engineer	ring					
dye by using	arora,	Research	1					
carbonized								
Eucalyptyus								
Parametric &	Bohar Singh,	Internatio	onal					
Kinetic Study for	B.S. Walia	Journal o	of					
the Adsorption of	and Rajiv	Computa	tional					
Crystal Violet Dye	Arora	Engineer	ring	2010			2	SBSSTC,
by Using		Research		2018			2	Ferozepur
Carbonized								
Eucalyptus								
Eucalyptus wood	Bohar Singh,	Internat	ional					
charcoal as	B.S. Walia	Journal						
Biosorbent for	and Rajiv	Researc	h and	2010				SBSSTC,
removal of lead(II)	Arora	Analytic	cal	2018				Ferozepur
ions from aqueous		Review	s					
solution								
3.4.7 Faculty partici	pation in Semi	nars/Confe	erences an	d Symposi	a during	the y	vear :	
No. of Faculty	No. of Faculty In			Nationa	l Level	Sate	e Level	Local Level
Attended Seminars/	Workshops	0	28			08	02	
Presented Papers		2	7	1:	5		01	NIL
Resource Persons		0	4	05			NIL	NIL
3.5 Consultancy								
3.5.1 Revenue gener	rated from con	sultancy di	uring the y	vear				
Name of the	Name of the		Consulti	ng/Sponsor	ing Age	ncy	Revenue g	generated (in
consultant(s)	consultancy P	roject	Rs.)					
department		-						
Department of	Geotechnical		Various	Governmer	nt, Semi-	-	Rs.	86,19,955
Civil Engineering	Investigations	,	Governm	ent and Pr	ivate			
	Material Testi	ng and	Organiza	tions				
	Structural Des	sign						
3.5.2 Revenue gener	rated from Cor	porate Tra	ining by th	ne institutio	on during	g the	year	
Name of the Title of Program		amme	Agency S	Seeking Tra	aining		Revenue	No. of
consultant(s)							generated	Trainees
department							(in Rs.)	
3.6 Extension Activ	•4•							
	ZATIES							

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 u	nit/	Numbe	er of	Number of
		0 0	borating agency	teacher		students
		ugeney, conta	e er manne geboore j	ordinat		participate
				such ac		in such
				Swell as		activities
Blood Donation Camp		Red Cross Clu	ıb	2		08
National Youth Day 20	18	5 PB Girls BN	NCC Moga	1 ANO		25
Tree plantation Camp		NSS, EFG, R	RC	4		50
Eassy Writing Competit	tion	NSS, SECA,	RRC	3		80
Drawing, Painting & S	logan	NSS, RRC, Y	outh Services	5		60
writing competition.		Department				
Vigilance Awareness w	veek	NSS, Vigiland	ce bureau, SECA	5		120
National Youth Day (NSS, RRC, Y	outh Services	4		60
Declamation Contest)		Department				
National voter Day (De	clamation	NSS, RRC, Y	outh Services	4		
& Debate Contest		Department, S	SVEEP			40
Blood Donation Camp		NSS, RRC, Y	7		100	
		Department				
RUN FOR FUN Nation	al	13 Pb Bn. NCC Ferozepur along		1 ANO and		105
Integration Day (Sardar	Patel	with BSF Fere	10 office	er Of		
Birthday) (2018)			BSF			
Swach Bharat Abhiyan	for		C Ferozepur along	2 ANO		115
1month (2018)			n NCC Moga and			
2nd Oct Gandhi Jyanti u	ınder	DRM office F 13 Pb Bn. NC		2 ANO		123
Swach Bharat Awayan		along with 5 (along with		125	
Swach Dharat Twayan	(2010)	Moga and DR	official of			
		Ferozepu		DRM office		
		reiozepu	Ferozepur			
Industrial Tour on 19/12	2/2018 at	CHESS		2		30
Satia Paper Mill, Mukts						
3.6.2 Awards and recog		ved for extension	on activities from Gov	vernment a	nd other	recognized
bodies during the year						-
Name of The Award/recogn		nition	Awarding Bodies		No. of	Students
Activity	U				benefited	
International Certificate of A		Appreciation	eciation University of Petrole			1
Conference on			Energy Studies (UP			
Advanced			Dehradun, India			
Materials,						
Energy &						
Environmental						

Sustainability		
(ICAMEES -		
2018)		

3.6.3 Students participating in extension activities with Government Organisations, Non Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the Scheme	Organising unit/agency/Collabora ting Agency	Name of the activity	Number of teachers co- ordinated such activities	Number of students participated in such Activities
Swachhta Pakhwada	NSS, RRC, EFG	Swachhta Pakhwada	4	60
Swachh Bharat Abhiyan	SBSSTC,Ferozepur	Cleanliness of institute	2	24
550th Prakash Purab of honourable Shri Guru Nanak Dev Ji	Youth Services and Sports, Government of Punjab	550th Prakash Purab of honourable Shri Guru Nanak Dev Ji on 8th Feb 2019 for arranging a Mega Blood Donation Camp of 550 units and plantation of 550 Trees	2	9
Social Activities like Rallies and Drug De addiction Seminar, Poster Making Competition	Department of Youth Services, Government of Punjab	Social Activities like Rallies and Drug De addiction Seminar ,Poster Making Competition on AIDS Awareness, Regularly Conducting Blood Donation Camps. Sending Deserving Students to Youth Leadership Camps/ Hiking Trekking Camp for the Year 2017-2018.	2	12
3.7 Collaborations 3.7.1 Number of Collabo	rative activities for researc	ch, faculty exchange, stud	ent exchange du	uring the year
Nature of Activity	Participant	Source of Finance Support	cial Duration	on
FDP	19	NITTTR Chd	01 wee	ek (04-06-

FDP

32

01 week (27-05-

NITTTR Chd

2018 to 08-06-2018)

						201	9 to 31-05-2019)
8 participants with Dr. Amit Arora						Acr	oss the Year
Joint publication							
etc. during the	year		-	C C			_
Title of Link	age	Name	of the	partnering			Participant
		institution	n/ indu	/ industry/research (From-t			
Ph.D. thesis		Punjabi Uni	versit	y, Patiala			Aruna Rani
work					15-06-2	2019	
							Ravi Verma
work		YCOE, Pun	jabi U		15-06-2	2019	Navneet Kaur
•••			<u> </u>	1.	<u> </u>		
		national, inte	ernatio	onal importance,	other inst	titutio	ns, industries,
c. during the y		CNA II	Du	rpose and Activity	tion		Number of
				Fulpose and Activities			students/teachers
sign		ned					participated under MoUs
	03 ()6 2016 to		Campus Connect Program to			Teachers - 08
	05-0	0-2010 10	1 0		0	5	reachers - 00
	02-0)6-2020	1 2				
en SBSSTC	18.0	6 2015 to	Faculty and student exchange			TA I	
				2	CACHAIIE	șe -	
	17.0	0.2010	Pr	ogramme			
-							
filed. till							
- INFRASTR	UCT	URE AND L	EAR	NING RESOUR	CES		
ties							
tion, excludin	g sala	ary for infrast	ructur	e augmentation d	luring the	e year	
Budget allocated for infrastructure augmentation				Budget utilized fo	r infrastr	ucture	e development
s. 275.00 Lacs	1			Rs	.129.47 I	Lacs	
mentation in i	infras	tructure facili	ties d	uring the year			
Facilities							
				Existing		N	Newly added
	Joint publica h institutions/ etc. during the Title of Link Ph.D. thesis work Ph.D. thesis work with institution c. during the y en SBSSTC, Univ. Of Leeuwarden, r a period of ontd. till - INFRASTR ties tion, excludin r infrastructur s. 275.00 Lacs	Joint publication h institutions/indus etc. during the year Title of Linkage Ph.D. thesis work Ph.D. thesis work Ph.D. thesis work with institutions of c. during the year Data sign 03-0 02-0 en SBSSTC, 18.0 2 Univ. Of 17.0 Leeuwarden, r a period of ontd. till INFRASTRUCT ties tion, excluding sala r infrastructure aug	Joint publication h institutions/industries for inter- h institutions/industries for inter- tec. during the year Title of Linkage Name institution lab with cor Ph.D. thesis work Punjabi Uni work MRS Punjal University, YCOE, Pun Talwandi Sa with institutions of national, inter- c. during the year Date of MoU signed 03-06-2016 to 02-06-2020 en SBSSTC, 18.06. 2015 to 17.06.2018 Leeuwarden, r a period of ontd. till INFRASTRUCTURE AND L ties tion, excluding salary for infrast r infrastructure augmentation 3. 275.00 Lacs	h institutions/industries for internship, tc. during the year Title of Linkage Name of the institution/ indu lab with contact d Ph.D. thesis work Punjabi Universit Work MRS Punjab Tech University, Bathin YCOE, Punjabi U Talwandi Sabo with institutions of national, internation c. during the year Date of MoU signed 03-06-2016 to 02-06-2020 sul en SBSSTC, 18.06. 2015 to Luniv. Of Leeuwarden, r a period of ontd. till 15.06.2015 to INFRASTRUCTURE AND LEAR ties tion, excluding salary for infrastructur r infrastructure augmentation E 3. 275.00 Lacs	Joint publication Image: Constraint of the partner of the part of the partner of	Joint publication Institutions/industries for internship, on-the-job training, projete. during the year Title of Linkage Name of the partnering institution/ industry/research lab with contact details Duratic (From-lab with contact details Ph.D. thesis Punjabi University, Patiala 15-07-2 work Punjabi University, Patiala 15-06-2 Ph.D. thesis MRS Punjab Technical University, Bathinda YCOE, Punjabi University, Talwandi Sabo 15-06-2 work Date of MoU Signed Purpose and Activities 15-06-2 work Date of MoU Signed Purpose and Activities 15-06-2 with institutions of national, international importance, other instic. during the year O3-06-2016 to 02-06-2020 Campus Connect Program to impart Industry oriented subjects in the curriculum en SBSSTC, 18.06. 2015 to JUNIV. Of LOIN 17.06.2018 Faculty and student exchang programme univ. of a period of mtd. till INFRASTRUCTURE AND LEARNING RESOURCES ties Tion, excluding salary for infrastructure augmentation during the rinfrastructure augmentation Stage utilized for infrastructure augmentation Budget utilized for infrastructure augmentation	8 participants with Dr. Amit Arora Joint publication

In Lakhs) Others Other Others	assrooms				77			_	
Seminar Halls 05 Classrooms with LCD facilities 32 Classrooms with Wi-Fi/ LAN 77 Seminar halls with ICT facilities 01 Video Centre 01 No. of important equipments purchased (≥ 1-0 Lakh) 53 during the current year. 01 Value of the equipment purchased during the year (Rs. 49259566/- In Lakhs) 4.2 Library as a Learning Resource 4.2.1 Library is automated {Integrated Library Management System (ILMS)} Name of the ILMS Name of the ILMS Nature of automation (fully or partially) Year of auto (fully or partially) KOHA Fully 18.05.05.000 2018-1 4.2.1 Library Services: Existing Newly added Matere of automation (fully or partially) KOHA Fully 18.05.05.000 2018-1 4.2.1 Library Services: Existing Newly added					94			_	
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Others 4.2 Library as a Learning Resource 4.2.1 Library is automated {Integrated Library Management System (ILMS)} Year of automation (fully or partially) Name of the ILMS Software Nature of automation (fully or partially) Version Year of automation (fully or partially) KOHA Fully 18.05.05.000 2018-1 4.2.1 Library Services: Existing Newly added No. Value N	lue of the equipment p	ourchased during the year	ear (Rs.	49	9259566/-	-	26880)55/-	
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Name of the ILMS Software Nature of automation (fully or partially) Version Year of auto KOHA Fully 18.05.05.000 2018-1 4.2.1 Library Services: Existing Newly added No. Value No. Value N Text Books 30800 3240642 1200 745 320 Reference Books 3490	.2 Library as a Learn	ing Resource							
Software automation (fully or partially) reach KOHA Fully 18.05.05.000 2018-1 4.2.1 Library Services: Existing Newly added No. Value No. Value No. Text Books 30800 3240642 1200 745 320 Reference Books 3490	.2.1 Library is automat	ed {Integrated Library	/ Manage	ment Sy	stem (ILN	MS)}			
KOHA(fully or partially)KOHAFully18.05.05.0002018-14.2.1 Library Services:ExistingNewly addedNo.ValueNo.ValueNoText Books3080032406421200745320Reference Books3490			Ve	rsion		Year	of automati	on	
partially)	Software								
KOHA Fully 18.05.05.000 2018-1 4.2.1 Library Services: Existing Newly added No. Value No. Value No. Text Books 30800 3240642 1200 745 320 Reference Books 3490									
4.2.1 Library Services: Existing Newly added No. Value No. Value No. Text Books 30800 3240642 1200 745 320 Reference Books 3490	КОНА		18.05	05 000		,	2018-10		
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Text Books3080032406421200745320Reference Books3490e-BooksEBSCO16000257900Journals54e-Journals1600150260Digital Database02			-	ue	•	1	No.	Value	
e-BooksEBSCO16000257900Journals54	Text Books						32000	3241387	
Journals 54	Reference Books	3490							
e-Journals 1600 150260	e-Books	EBSCO16000	2579	000					
Digital Database 02	Journals	54		_					
CD & Video 448	e-Journals	1600	1502	260					
Library automation Yes Weeding (Hard & Soft)	Digital Database	02		_					
Weeding (Hard & Soft)	CD & Video	448							
Weeding (Hard & Soft)					Yes				
Others (specify)									
4.2.2 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala, CEC (under e-PG-Pathshala, Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government in &Institutional (Learning Management Syystem (LMS)) etc Name of the Teacher Name of the module Platform on which module is developed Date of the developed									
Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government in &Institutional (Learning Management Syystem (LMS)) etc Name of the Teacher Name of the module Platform on which module is developed Date of the module	1 1	d by teachers such as:	e-PG-Pa ¹	– thshala, (CEC (und	ler e-PG-P	Pathshala Cl	EC (Under	
&Institutional (Learning Management Syystem (LMS)) etc Name of the Teacher Name of the module Image: Platform on which module is developed Date of the developed Image: Platform on which module is developed Date of the developed	-	•							
Teacher Name of the module developed		-			5				
		Name of the module	Platfo			ule is	Date of launching e - content		
4.3 IT Infrastructure			+						
	3 IT Infrastructure		1						
4.3.1 Technology Up gradation (overall)	.3.1 Technology Up gr	adation (overall)							

	Total Compute s	Computer Labs	Internet	Browsing Centres	Compute r Centres	Departme nts	Availabl e band width (MBPS)	Oth ers		
Existin g										
Added								769		
Total	100	04	02	100	1	3	9	1024 MBPS		
4.3.2 Ba	ndwidth av	ailable of inte	rnet conne	ction in the I	nstitution (L	eased lin	ne)			
1 GBPS	(1024 MBI	PS)								
4.3.3 Fa	cility for e-o	content								
Name of the e-content development facility Provide the link of the videos and media centre and recording facility										
		Campus Infra								
	-	ncurred on ma luring the year		of physical f	acilities and	academi	c support fac	cilities,excl	uding	
on acade	Assigned budget on academic facilitiesExpenditure incurred on maintenance of academic facilitiesAssigned budget on physical facilitiesExpenditure incurred on maintenance of physical facilities									
Rs.50.0	Rs.50.00 Lacs Rs.11.97 Lacs Rs.70.00 Lacs Rs.36.31 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:										
 Ant Dis Inst Stud Lib Ant 	 computers, classrooms carried out by the following committees/Offices: Grievance Committee Anti Ragging Committee Discipline Committee Institutional Development Committee Student Affairs/Welfare Committee 									

- Public Information Cell
- Legal Cell
- Estate Office

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 Student Support

5.1.1 Scholarships and Financial Support

	Name/Title of the scheme	Number of Student	Amount of Rupee	
Financial support from	Student Exigency Fund(SEF)	13	7,10,128/-	
institution	Student Aid Fund(SAF)	70	1,40,000/-	
Financial support from othe	er sources			
	PMSS Scholarship	160	1,27,09600/-	
	J&K Scholarship	7	5,21,850/-	
National	Bihar Govt. Scholarship	136	8160000/-	

E-Kalyan Welfare Deptt., 17 102000/ Govt. of Jharkhand 10 636000/ UP Govt. Scholarship 106 636000/ International — — 5.1.2 Number of capability enhancement and development schemes such as Soft skill development,

5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Yoga Practice	01/08/2018 to 14/08/2018	59	Bharti Yoga Sansthan, Ferozepur
English Lab	15/07/2018	18	SBSSTC FEROZEPUR
Mentoring & Professional Development	15/07/2018	18	SBSSTC FEROZEPUR

2018 GATE Coaching 68 6 2 5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Preversexual harassment and ragging cases during the year 6 2 Total grievances received No. of grievances redressed Average number of days for grievances redressed	ZEPUR ZEPUR ZEPUR cy at l by the
Professional Skills-I 15/07/2018 45 SBSSTC FERC Professional Skills-II 01/01/2019 45 SBSSTC FERC English Lab 15/07/2018 06 SBSSTC FERC Soft Skill development 15/07/2018 06 SBSSTC FERC Soft Skill development 15/07/2018 154 Central agen institute leve institution during the year Year Name of the scheme Number of benefited students by Guidance for competitive examinations and career counselling offered institution during the year Number of benefited students by Guidance for Competitive examination Number of career Guinselling Number of career Guinselling Number of career Guinselling Number of career Guinselling Students of the competitive examination Students of campetitive examination 2018 Career Counselling	ZEPUR ZEPUR ZEPUR cy at l by the
Professional Skills-II 01/01/2019 45 SBSSTC FERC English Lab 15/07/2018 06 SBSSTC FERC Soft Skill development 15/07/2018 154 Central agen institute leve 5.1.3 Students benefited by guidance for competitive examinations and career counselling offered institution during the year Number of benefited students by Guidance for Competitive examination Number of students by Career Counselling activities Number of Competitive examination Number of Students by Career Counselling activities Number of Competitive examination Students by Career Counselling activities Students by Career Counselling activities 2018 Career Counselling 03	ZEPUR ZEPUR cy at l by the
English Lab 15/07/2018 06 SBSSTC FERC Soft Skill development 15/07/2018 154 Central agent institute leve 5.1.3 Students benefited by guidance for competitive examinations and career counselling offered institution during the year Number of benefited students by Guidance for Competitive examination Number of students by Career Counselling activities Number of students by Career Counselling activities Students who have passed in the competitive examination 2018 Competitive examination and career Counselling 45 50 1 2 2018 GATE Coaching 68	ZEPUR cy at l by the
Soft Skill development 15/07/2018 154 Central agent institute leve institute leve institute leve institution during the year Year Name of the scheme Number of benefited students by Guidance for Competitive examination Number of benefited students by Guidance for Competitive examination Number of students by Career Counselling activities Number of Students preveremented activities Number o	cy at l by the
Second structure institute level 5.1.3 Students benefited by guidance for competitive examinations and career counselling offered institution during the year Number of benefited students by Guidance for Competitive examination and students by Guidance for Competitive examination and 45 Number of benefited students by Guidance for Competitive examination and 45 Number of Students of the competitive examination and 45 Number of Students of the competitive examination and 45 Students of the competitive examination and 45 <td>l by the</td>	l by the
institution during the year Year Name of the scheme Number of benefited students by Guidance for Competitive examination Number of benefited students by Career Counselling activities Number of benefited students by Career Counselling Number of students who have passed in the competitive exam 2018 Career Counselling 03 2018 GATE Coaching 68 6 2 5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Preverse redressal Average number of days for grievances	
institution during the year Year Name of the scheme Number of benefited students by Guidance for Competitive examination Number of students by Career Counselling activities Number of benefited students by Career Counselling activities Number of students who have passed in the competitive examination Number of competitive activities Number of benefited students who have passed in the competitive examination Number of benefited students who have passed in the competitive examination Number of benefited students who have passed in the competitive exam 2018 Competitive examination and 45 50 1 20 2018 Career Counselling	
1 Current scheme benefited students by Guidance for Competitive examination benefited students by Guidance for Competitive examination students by Career Counselling activities students who have passed in the competitive exam students by Career Counselling activities activities students by Career Counselling activities students by Career Counselling activities activities students by Career Counselling activities activities activities students by Career Counselling activities activities<	0
2018 examination and Career Counselling 45 50 1 2 2018 Career Counselling	
2018 GATE Coaching 68 6 2 5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Preverse val harassment and ragging cases during the year 6 2 Total grievances received No. of grievances redressed Average number of days for grievances redressed	5
5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Preversexual harassment and ragging cases during the year Total grievances received No. of grievances redressed Average number of days for grievances redressed)3
sexual harassment and ragging cases during the year Total grievances received No. of grievances redressed	7
Total grievances received No. of grievances redressed Average number of days for grievances redressed	ention of
5.2.1 Details of campus placement during the year	evance
5.2.1 Details of campus placement during the year	
On campus Off Ca	
Name of OrganizationsNumber of Students participatedNumber of	ampus
Visited Students Students Placed	-
Aditya Birla Capital, Faridkot410	of
Capital Via 52 6 _	of Placed
CETPA Infotech Pvt.Ltd. 41 5 _	of Placed
CINIF Technologies 18 3 _	of Placed

Cogniter Pvt Ltd.	109	8	
Cognixia, Noida	79	14	
Cognizant Technology Solutions India Pvt. Ltd.,	60	9	_
Devi Techno Solutions	15	1	
F.B forgings Pvt Ltd	4	1	_
НР	40	2	
Infosys	88	10	_
Infosys	20	1	_
Lead Group	25	2	
Machlin SoftwareTechnology	54	7	
Machlin SoftwareTechnology	12	4	
Mega rubber Pvt Ltd.	4	1	
Metro Tyres Ltd.	64	2	
MIND Infotech	37	5	
MSP Contracts Pvt. Ltd.	4	1	
OLA Cabs	12	2	
OLA Cabs	56	2	
RAPS Automotive	27	5	
RAPS Itech	52	9	
Red Carpet Tech Pvt . Ltd.	5	2	
Scope Telecom Pvt. Ltd.	24	5	
Scope Telecom Pvt. Ltd.	18	2	
Scope Telecom Pvt. Ltd.	22	8	_
TCS	55	7	
Teleperformance	55	6	
Teleperformance	14	2	

Truvic Engg. Pvt.Ltd				5	1	
Urban Lac	lder			12	1	
VVDN Te	chnologies P	vt. Ltd.		39	3	
	Total		1	126	138	03
5.2.2 Stud	ent progressio	on to hig	gher education in p	ercentage during	g the year	
		Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to	
2018-19	01		SBSSTC Ferozepur	B.Tech ME	IIT Hyderabad	Research in Field of advance material
2018-19	01		SBSSTC Ferozepur	B.Tech ME	IIT Madras	Research In Aerospace components
2018-19	01		SBSSTC Ferozepur	B.Tech ME	IIM Indore	MBÂ
5.2.3 Students qualifying in NET/SET/SLET/GATE/GMA Items No. NET		E/GMA		EL/Civil Servic	Registration nu	
SET	SET					
SLET						
GATE				04		\$38002220
GMAT			01			-
CAT						
GRE						
TOFEL						
Civil Ser	Civil Services					
State Go Services	vernment					
Any Oth						
5.2.4 Spor	ts and cultura	l activit	ies / competitions	organised at the	institution level du	ring the year
Activity			Level		Partic	ipants

District Y	Youth Festival	Dis	trict			100 (Boys and	Girls)
Jashan 21	an 2k19 Institutional			500 (Boys and Girls)			
	Welcome	Institu	utional			300 (Boys and	Girls)
Function							
Zonal Yo	outh Festival	Univers	ity Level			40 (Boys and C	Girls)
Inter Zor Festival	al Youth	Univers	ity Level			10 (Boys and C	Girls)
/Inter Ye	Athletic Meet ar College	Institu	utional			372 (Boys and	Girls)
Tournam Cricket	ent						
Football							
Table Te	nnis						
Basket B							
Volley B	oll						
Chess							
Lawn Te	nnıs						
Hockey 5.3 Stud	ent Participation ar	nd Activities					
	-						
						ce in sports/cultura	al activities at
national/	international level (a	ward for a tea	im event sh	ould be c	counte	ed as one)	
Year	Name of the award/medal	National/	Sports	Cultura	.1	Student ID	Name of the
	award/medai	Internatio nal	1			Number	student
2018-19	Student Youth Parliament	National		Stude Yout Parlian held New De	th nent at	160280683 B.Tech CSE	Rahul Dhawan
2018-19	2nd Position at PTU, Jalandhar Inter zonal Youth Festival	University Level		Colla Maki	-	170040025 B. Arch.	Megha Makkar
2018-19	Silver Medal	University Level	Hockey			170280163 B.Tech CSE	ShobitWadhaw an
2018-19	Silver Medal	University Level	Hockey			15110606 B.Tech CSE	AshishBhullar
2018-19	Silver Medal	University Level	Hockey			15110623 B.Tech CSE	Eknoor Singh Sidhu
2018-19	Silver Medal	University Level	Hockey			160340196 B.Tech	Pravanav Singh

2018-19	Silver Medal	University Level	Hockey	15110577 B.Tech CE	Sumesh
2018-19	Silver Medal	University Level	Hockey	15110496 B.Tech CE	D.K
2018-19	Silver Medal	University Level	Hockey	150120351 B.Tech CE	Pankaj
2018-19	Silver Medal	University Level	Hockey	15110563 B.Tech CE	SakhielChoudh ary
2018-19	Silver Medal	University Level	Hockey	160620360 B.Tech ME	Monu Bhatia
2018-19	Silver Medal	University Level	Hockey	160620312 B.Tech ME	Amarpal
2018-19	Silver Medal	University Level	Hockey	15110807 B.Tech ME	Rahul
2018-19	Silver Medal	University Level	Hockey	170280163 B.Tech CSE	Shobit
2018-19	Silver Medal	University Level	Hockey	15110623 B.Tech CSE	EknoorSandhu
2018-19	Silver Medal	University Level	Hockey	1820486 B.SC Agri	Jaydeep

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

Students are a part of anti-ragging committee for the prevention of ragging in the campus. Students Grievar redressal committee is also functioning properly in the campus for addressing and effectively resolvi grievances of students and in this committee also, one of the member is from student committee.Every ye College annual athlete meet is held in the month of February / March for B.tech, Diploma, BCA, ME Students including Events namely : 100m, 200m, 400m, 800m, 1500m, 5000m, race, Long jump, Hi 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:

450 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	Торіс	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:

- The syllabi of each department have been updated to meet the requirements of the industry and under consultation with the stakeholders.
- The curriculum is strengthened through workshops and brainstorming sessions on developing research embedded syllabi to make students globally mobile and socially useful.
- A list of open electives floated has been updated by all the department and in the curriculum for quality sustenance and enhanced and effective development of the students.

Teaching and Learning:

- Online Courseware, webinars, video lectures from industry experts and intensive laboratory training has been introduced.
- The students are encouraged to visit library and other online resources for different assignments by providing adequate time for such activities.
- Introduction of Value Added courses in all the streams..

Examination and Evaluation :

- To ensure quality assurance of examination system and evaluation, with the approval of the academic council of the institute, the practices and rules of examination and evaluation has been developed and modified as:
- (i) About 20% question papers for regular examinations are set by experts from outside the institute for maintaining academic standards.
- (ii) Students check their evaluated answer books and can approach designated authorities for getting their complaint redressed.

(iii)Table marking of the end semester examination answer sheets

(iv)The committee for deciding UMC cases consists of experts from outside the institute.

Research and Development :

- Each faculty has been provided with the laptop or PC apart from a Computer Centre for research activities.
- The entire institute campus is Wi-Fi enabled (1 Gbps).Conferences, faculty development programmes/ short term courses and guest lectures are organised time to time for the researchers/ students to acquaint with the recent development in the various area of science, humanities and technology.
- Faculty are also encouraged to attend conferences and faculty development programmes/ short term

courses at other institute/ university.

• A research grant of Rs. 50,000/- per year has been allocated for each faculty member for research activities.

Library, ICT and Physical Infrastructure / Instrumentation:-

- 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.
- The Central library has ICT and Physical Infrastructure / Instrumentation, Barcode / RF Enabled Circulation and Surveillance in its premises.
- Institute has ICT Enabled classrooms
- The Computer centre has a number of working environments & Packages; Windows, Matlab, Statistica, Mathematica etc
- Campus wide networking through Optical Fibre Backbone Reading Rooms in Central Library and various hostels.

Human Resource Management

- Separate Establishment Branch for maintaining record, performance appraisal etc of available human resource Grievance redressal mechanism in place for faculty, staff, students,
- Transportation facility for faculty staffs and students.
- Reimbursement of TA/DA for official travel, attending conference, seminar, or any special training.
- On campus health centre with ambulance

Industry Interaction / Collaboration :

- This Cell facilitates closer interaction between the academic and Industrial fields and also provides closer links with industries.
- Industrial exhibitions to highlight research facilities and expertise are offered within the Institution. This interaction also provides continuing education opportunities, short-term programmes and training needs of the industry, which the institution can provide.
- 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 Institute follows a highly transparent admission process strictly adhering to the rules and regulations of the affiliated University IKGPTU, Kapurthala and Punjab Statethrough 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 for their admission.
- 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

• Financ	e and Accounts:-Fee Mar	agement. Receipt a	nd Pavmen	ts modules	s are working.		
	t Admission and Support	•				lling	g conducted
	affiliating University		C				
• Examin	nation Examination depar	tment is completely	computeri	zed. Resul	ts are displayed	Onli	ne
individ	lually in the Login of stud	ent. Exam form fill	ing, Condu	ct of exam	, Declaration of	Resi	ult modules
are wo	rking.						
6.3 Facult	y Empowerment Strateg	gies					
	hers provided with financ		d conferenc	es / works	hops and toward	s me	mbership
<u>+</u>	essional bodies during the					<u> </u>	
Year		Name of conference		Name of			nount of
		workshop attended financial support pr		-	onal body for embership fee	suj	oport
		imanetai support pi	ovided	is provid	-		
2018-19	Dr. Rajiv Arora	International Cor	nference		Nil	I	Rs. 75,000
-	5	on Agriculture &					,
		-	Chemistry, Rome (Italy)				
6.3.2 Num	ber of professional develo			g program	mes organized	bv th	e Colleges
	g and non teaching staff of	-		0 10-01		<u> </u>	
	- ~	- •					
Year	Title of the professional		Dates (from-to)		No. of		No. of
	development	administrative			participants		participant
	programme organised	training			(Teaching star	ff)	s (Non-
	for teaching staff	programme organised for					teaching staff)
		non-teaching					Starry
		staff					
2018-19	Organized expert lectur	e					
	by expert from Industry		17/08/2018		05		
	"SAP India Ltd." held a	t					
	institute Vide office						
	order SBS/TPO/177						
	dated 16-08-2018						
2018-19	Energy Efficient						
	Building Materials		17/01	/2019	60		
2010 10							
2018-19	Energy Conservation		11/09/2	2018 to			
	Building Code (ECBC)		12/09	/2018	65		
	Simulation						
2018-19	Two Days Intensive		13/09/2	2018 to			
	Training Programme O Energy Conservation	n	14/09	/2018	85		10
	Building Code				05		10
	Simulation						
2018-19	District level Workshop)-					
cum-Exhibition on		17/01/2019 110		12			
	Energy Efficient						

	Building Materials - 17 January 2019 - By Sakkar Foundation						
	Chandigarh & PEDA						
2018-19	Instructional Delivery		04	4/06/2018 to	01		
	(Module II: IPD)		06/06/2018		01		
	f teachers attending profess					ogramn	ne,
	Course, Short Term Course,		ment				
Title	of the professional develop	nent programme		Number of te		Date and	
				attend	led		uration om – to)
Classroom	Communication conducted	by Education		02			$\frac{11-10}{5/2019}$
	ent Department Organized a	•					05/2019
-	UR Through ICT, NITTTR						
	al Delivery	8		01		04/0	6/2018 to
						08/06/2018	
Class room	communication			02		27/05/2019 to	
				-		31/05/2019	
Faculty De	velopment Programme on '	'Education &		01		25/03/2019 to	
	l Management Developmen					31/05/2019	
	onsored Short Term Course			03		27/05/2019 to	
Communic						31/	05/2019
Recent Res	search and innovation in Civ	vil Engineering		01		16/0	7/2018 to
						20/	07/2018
Cloud com	puting			01		04/12	2/2018 to
							12/2018
Class Roor	n communications			01			5/2019 to
						31/05/2019	
Instruction	al Delivery (Module II: IPD))		01			6/2018 -
						06/	06/2018
6.3.4 Faci	ulty and Staff recruitment (1	no. for permanent	recru	itment):	Non-teachin		
	Teaching				0		
Р	ermanent	Fulltime		Permanent			ltime
< 0 5 ML 10	65	65		116		1	16
	are schemes for					2	
Teaching		2					
Non teachi	ng	2					
Students		···· N/ -1 '1' ···				6	
	ial Management and Resour		1 1.		1 100	1 1 \	
	ution conducts internal and						1.
	te external financial audit is		Gove	ernment Accoun	tant General	office a	and interna
udit is doi	ne by internal Audit Comm	ittee					

the year(no	ot covered in Cr	iterion III)					
Name of th	e non governm	ent funding ag	encies/ individuals	Fund	ds/ Grants received in H	Rs.	Purpose
6 1 2 Total	corpus fund ge	naratade 15 ar	0*0				
0.4.5 Total	corpus rund ge	nerated:- 15 cr	ore				
6.5 Interna	al Quality Assu	irance System					
6.5.1 Whet	her Academic a	nd Administra	tive Audit (AAA) ha	s been	done?		
Audit '	Туре]	External		Interr	nal	
		Yes/No	Agency		Yes/No		Authority
Acade	emic	Yes	PTU Jalandha	•	Yes		IQAC
Adminis	strative	Yes	Punjab Govt./Exte CA	rnal	Yes		ernal Various Committee
6.5.2 Activ	vities and suppor	rt from the Par	ent – Teacher Associ	ation ((at least three)		
college and 6.5.3 Deve 1.Compute 2.Yoga trai 3.Soft skill 6.5.4 Post <i>A</i> 1. Various 2. Up grada	l the departmen lopment progra er Training ining & stress m training Accreditation in batches of alum ation of present	t. mmes for supp nanagement nitiative(s) (men ni have been c syllabus to sui	ort staff (at least thre ntion at least three) ontacted for strength t the need of employ	e) ening ability	directly to the teachers a the alumni contribution through board of studio onservation, social upli	ı. es is	sought
6.5.5 a. Submiss b. Participa c. ISO Cert d. NBA or	ion of Data for ation in NIRF tification any other qualit	AISHE portal	C		· · ·		
	Name of quality		Date of conducting		Duration (fromto	- N	Number of
	IQAC	, initiative by	activity)		articipants
	Teachers should	d be allowed	·····	,	,		participants
to set the question papers who have taught that subject at least two times.		09/01/2019 (7 th IQAC)		AC) 09-01-19		115	
:	9 HOD should not allocate the subject to the teacher who have taught that subject for the last five year.		09/01/2019 (7 th IQ	AC)	09-01-19		115

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

Title of the programme			Period (from-to)			Participants			
					Female		Male		
Celebration of International Women's Day			8 March 2019		39		40		
	nental Conscious							-	
Percentage of	power requiremer	nt of the College	met by th	ne renev	vable en	ergy so	urces		
713Differen	tly abled (Divyang	aian) friendliness							
7.1.5 Differen	Items Facili		,	Y	es/No		No. of Bene	ficiaries	
Physical facili					Yes	A	ll Differently-ab		
Provision for l					Yes		ll Differently-ab		
Ramp/ Rails					Yes	A	ll Differently-ab	oled students.	
Braille Softwa	re/facilities				No				
Rest Rooms					Yes	A	ll Differently-ab	oled students.	
Scribes for exa					Yes		ll Differently-ab		
	evelopment for di	fferently abled st	tudents		Yes		All Differently-abled student		
Any other sim	2				Yes	A	ll Differently-ab	oled students.	
	n and Situatedness								
	portant initiatives		1		Ŭ		U U	<u> </u>	
Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and Name of duration of initiative the initiative			Issues addressed	Number of participatin students and staff		
2018	2	2	08/02//2019		19 Blood Donation		Blood Donation	100	
2018	2	2	02/05/201		SV	EEP	Voter awareness program	50	
7.1.5 Human	Values and Profes	sional Ethics							
Code of condu	ct (handbooks) fo	or various stakeho	olders						
Т	itle	Date o	f Publica	tion		Follo	w up (maximur each)	n 100 words	
Universal Human Values HSMC122-18			15/07/2018		A Foundation Course in Human Values and Professional Ethics b R.R.Gaur, R.Sangal and G.P. Bagaria.				

	and Ethics Duration (fromto-	Number of
Activity)	participants
Drawing, Painting and Slogan Writing Competition on	26/09/2018	60
Blood Donation and Drug De-addiction		
Essay Writing competition on drug De-addiction	26/09/2018	80
Seminar on Vigilance Awareness	01/11/2018	120
Celebration of National Youth Day	07/03/2019	60
7.1.7 Initiatives taken by the institution to make the campus ec	co-friendly (at least five)	
1. Tree Plantation on Regular Basis.		
2. Swatch Bharat Abhiyan is going on.		
3. Painting Competition on environment conservation on reg	gular basis.	
4. Seminar on Environmental Conservation on regular Basis	.	
5. Swachhata Pakhwada to clean campus for 15 days is goin	g 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 NA	AC format in your
institution website, provide the link		
1. The institute is using computerized modules for mar	aging activities related to A	Academics, Financ
And Accounts and Grievances of students		
https://forms.eduqfix.com/sbsstconlineform/add		
https://sbsstc.edugrievance.com/		
2. The institute has automated Exam And Grading modul	e for Exam form filling, Con	duct 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	1	••• •
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 advocated by NBA 	of Outcome Based Education	(OBE) as

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

The following are the future plans for the forthcoming Academic year 2019-20:

- · Feasibility review of existing courses and start of new courses
- · Affiliation with IKG PTU, Jalandhar
- Adoption of Modular syllabus proposed by AICTE, New Delhi
 Self-imposed objectives to be
- Self-imposed objectives to be proposed by each employee for 2018-19.
- To apply for NIRF.
- To organize Activities of Alumni and Teacher Parent Association
- To make premises eco-friendly.
- To render Academic and Administrative Audit of every department.
- To introduce vocational courses.
- Implementation of Management Information System in an effective way.

Name by Calit charu

Signature of the Coordinator, IQAC

Name

Signature-of the Chairperson, IQAC www

Guidelines of IQAC and submission of AQAR for Autonomous Colleges

Annexure I

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

Guidelines of IQAC and submission of AQAR for Autonomous Colleges

TEQIP	-	Technical Education Quality Improvement Programme
ANOs	-	Associate NCC officer
MoU	-	Memorandum of Understanding
GATE	-	Graduate Aptitude Test
CCTV	-	Closed-circuit television
FDP	-	Faculty Development Programme
ISTE	-	Indian Society of Technical Education
EFG	-	Eco -Friendly Group
RRC	-	Red Ribbon Club
NSQF	-	National Skills Qualification Framework
SVEEP	-	Systematic Voter's Education and Electoral Participation
