



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	SANMATI GOVERNMENT COLLEGE OF SCIENCE EDUCATION AND RESEARCH
Name of the head of the Institution	Dr. V. K. Singh
Designation	Director(in-charge)
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	01624223242
Mobile no.	9417458787
Registered Email	gcsciencejagraon@gmail.com
Alternate Email	sumedhasyal@gmail.com
Address	Raikot Road
City/Town	Jagraon
State/UT	Punjab
Pincode	142026

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Semi-urban
Financial Status	state
Name of the IQAC co-ordinator/Director	Sumedha Syal
Phone no/Alternate Phone no.	01624223242
Mobile no.	9465313179
Registered Email	sciencecollegeiqac06@gmail.com
Alternate Email	sumedhasyal@gmail.com

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	http://gscjgn.org/wp-content/uploads/2020/06/PBCOGN10620-S-GOVT-COLLEGE-OF-SCIENCE-EDUCATION-AND-RESEARCH-AQAR-2017-18Recent-.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://gscjgn.org/a-c-2018-19/

5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B++	80.75	2004	08-Jan-2004	07-Jan-2009
2	B++	2.80	2016	05-Nov-2016	04-Nov-2021

6. Date of Establishment of IQAC	01-Jan-2004
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		
8. Extension Lecture on Process Chemistry and Drug Development by Department of Chemistry.	29-Mar-2019 1	90
7. Extension Lecture on Man and environment by Department of Zoology	20-Mar-2019 1	120
6. a) Workshop on Plant Tissue Culture by Department of Botany b) Extension Lecture on Essential oils and aromatherapy by Department of Botany	27-Mar-2019 1	106
Lecture Series (comprising of three lectures) on the theme Communicating Science for All	23-Feb-2019 1	200
5.a) Intercollege and Interschool Competitions during Science Fiesta on the Theme Communicating Science for All b) A Workshop on the theme Communicating Science For All	22-Feb-2019 1	266
4. Short term training on NIPER, Mohali	08-Jan-2019 10	18
3. Seminar on Importance and protection of ozone layer and Intra college Competitions.	14-Sep-2018 2	160
2. Intercollege quiz contest on Environment and its Protection	13-Sep-2018 1	18
1.Meetings of IQAC	25-Jul-2018 1	10
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/ Faculty	Scheme	Funding Agency	Year of award with duration	Amount
S.Govt College of Science Education and Research, Jagraon.	Star College Scheme	DBT	2018 360	1300000

S. Govt College of Science Education and Research, Jagraon.	Star college Scheme	DBT	2018 540	4000000
S. Govt College of Science Education and Research, Jagraon.	RUSA	Central Govt. and State Govt.	2018 360	7500000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
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Upload latest notification of formation of IQAC	View File
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10. Number of IQAC meetings held during the year :	5
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The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
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Upload the minutes of meeting and action taken report	View File
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11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
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12. Significant contributions made by IQAC during the current year(maximum five bullets)

I)Prepared academic and extension activities calendar to streamline the different activities in the college. Worked to create a learnercentric environment for providing quality education and ensuring an interactive teachinglearning process. Feedback and suggestions were taken from the students, parent, and Alumni and analyzed for ensuring the quality education

II) Organized workshops, extension lectures, seminars, and quiz contests and Interschool and intercollege competitions during Science Fiesta.

III)Students were encouraged to participate in co-curricular, extra-curricular, and extension activities for their all-round development.

IV)Students were taken to different universities and research centers to orient their minds towards research culture. Teachers and students were encouraged to participate and attend National and International conferences, workshops, and seminars to update their knowledge.

V)Infrastructure: Laboratories equipment and books were added during the session for quality enhancement out of Rusa and Star college grant. The new seminar hall

was under constructed and the boundary wall was renovated to provide a safe environment to students. Playground with a 400-meter track was constructed to provide sports facilities. Virtual classroom, new projectors, MIPS etc.were provided for effective classroom teachings

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

Plan of Action	Achivements/Outcomes
13. To create awareness on women empowerment.	13. The girl students are given guidance by their tutors/teachers.Awareness programs /International women's day celebration were organized to motivate and encourage them to lead life with strength and high morals.
12. Placement cell to be made active, advertisements/ employment notices to be put on notice board.	12. IOL Chemical and Pharmaceutical Limited visited college on 13-02-2019 for placement drive. 41 students Of M.Sc. II Chemistry and 28 students of B.Sc. 3 appeared before them out of which 10 got selected for job.
8. Purchase of laboratory material and books as per requirement	8. Equipment, chemicals & glassware, class work materials and books worth Rs. 58,44,129/- were purchased i) Equipment worth Rs. Rs. 48,52,903/- ii) Laboratory Material+ contingency worth Rs. 8,84,579/- iii) Books worth Rs. 1,46,686/- (iv)TA/DA/Honorarium&Travel(Teachers+students)Rs.1,06,647/- (v) Computers worth Rs. Rs.4,69,000/-
7. Allocation of Projects and assignments to students.	7. Minor research projects and assignments were given to students at undergraduate and post graduate level in the subjects of Chemistry, Physics, Botany and Zoology.
6. Visits to Universities/ research Labs/tours	6. During the session, different departments organised ten tours as follow: i) Dr. Surjit Singh Head, Dept. of Botany ,Mrs. Sarvarinder Kaur and Miss Danish Puri organised a tour to G.N.D .University, Amritsar for the 37 students of M.Sc. Botany on August22, 2018 to visit research lab. ii) Mr. Jatinder singh and Mr. Varinder Singh, Department of Botany organized a trip to Dalhousie and adjoining areas from 15th October to 19th October, 2018 for plant identification and collection. The students were able to collect and identify plants. A Total of 36 Students

participated in this tour.iii) Sh. Balwinder Singh, Mr. Parminder Singh and Ms. Amandeep Kaur Matharu, Department of Physics organised a trip to Shri Anand Pur Sahib and Naina Devi on March 2, 2019. A total of 53 students joined this trip. iv) Sh. Nirmal Singh and Ms. Sonia Sharma, Department of Chemistry organized a trip to Kasauli and adjoining areas on March 14, 2019. Total of 31 students join this trip. v) Mrs. Sarabdeep Kaur and Mrs. Chanderepreet Kaur accompanied 63 students of B.Sc.III (N.M.) to Kasauli. areas on March 14, 2019. Total of 63 students joined this trip. vi) Sh. Nirmal Singh and Ms. Sonia Sharma, Department of Chemistry organized a trip to Jaipur and adjoining areas from March 20, 2019 to March 25, 2019. Total of 31 students joined this trip. vii) Sh. Balwinder Singh, Mrs. Sarabdeep Kaur and Ms. Amandeep Kaur Matharu, Department of Physics organised an educational tour to Pushpa Gujral, Science City , Kapurthala March 28, 2019. A total of 53 students joined this trip. viii) Ms. Amandeep Kaur and Ms. Manpreet Kaur, Department of Zoology, organised a trip to Chhatbir Zoo, Zirakpur for 52 students joined this trip. ix) Mr. Sumit Soni, Ms. Manpreet Kaur and Ms. Hardeep Kaur, Department of Chemistry & Biochemistry took 45 students an educational tour to Panjab University, Chandigarh on March 25, 2019. x) Mr. Jatinder Singh, Department of Botany took 44 students of M.Sc. Botany to Anand Pur Sahiband Naina Devi on April 1, 2019 for plant collection.

5. To encourage the students to participate in Co-Curricular activities and Extra-curricular activities.

5 i) Forty students of our college participated in zonal youth festival held at B.K.S. College, Mular and bagged five prizes in various items. ii) 100 Students were enrolled in N.S.S.unit and one day and seven days camps were organised on the theme, "Youth for Clean and Healthy India." Students were sensitized about oral health, HIV Aids and taken to Lepers' home to inculcate the feeling of social responsibility in them. iii) The important days were celebrated in the college to create awareness among the students and regarding their importance. The renowned personalities were invited during these activities to

	motivate the students.
4. To impart hands on training to Students (Summer/Winter training)	4. 17 Students of M.Sc. Chemistry along with one Assistant Professor Ms. Sonia Sharma attended 10 Days industrial training from January 8, 2019 to January 17, 2019 at NIPER, Mohali
3 .To encourage the faculty members and students to publish papers/ present papers and participate in national, international conferences.	3. i) Dr. Karamdeep Kaur, Dept. of Punjabi, presented a paper at a national seminar on the topic 'Changing scenario of Punjabi literature at Guru Tegh Bahadur National college, Dakha on September 22,2018. ii) Dr. Karamdeep Kaur presented a paper at International Punjabi seminar on the topic "Shri Guru Nanak Dev ji in present context on March 9,2019. iii) Dr. Karamdeep Kaur, Dept. of Punjabi,presented a paper on the topic ,National Scenerio- Punjabi Brotherhood and challenges at Punjabi Kala parishad February 15-17,2019 iv) Tewenty five teachers attended a workshop and Lecture series at S.Govt. college of science Education and Research,Jagraon on February 22-23,2019. v)Mrs Sumedha Syal, Mr. Nirmal Singh and Mrs. Sarabdeep Kaur along with 26 students attended a conference on "Social importance of Science and encouraging Teaching of Science in Hindi/ Punjabi "on October 13-14, 2018 at Indian Institute of Science Education and Research,Mohali and it was sponsored by Azim Premji University, Bengaluru. vi) Mrs Sumedha Syal, Mrs. Chanderpreet and Miss Ameet Rana attended a National Symposium on "Prof Ram Chand Paul National Symposium on Chemistry for future"on March 1-2, 2019. vii) Mrs. Nidhi and Dr. Karamdeep Kaur attended an Inter- national Seminar on " Our present and Shri Guru Nanak Dev ji" on March 9,2019,
2. Interdisciplinary approach to be adopted by all departments and organise the Inter-college and Interschool Competitions on Science Fiesta	2. i) The college organised Science Fiesta II to inculcate scientific aptitude among the young students and to celebrate National Science Day. Total of 87 Students from 12 schools and 179 students from 12 colleges participated. Competitions held during Science Fiesta-II on 22-02-2019. a)Essay Writing on the topic "Science & Technology" b)Poster presentation (pre-prepared)on the topic "Science & Technology." c) Rangoli making on the topic "Renewable Energy." d) Speech Competition on the topic : 1. Artificial Intelligence 2. Effective

communication for better life. ii) The college organised Intercollege quiz contest on "Environment and its Protection" on 13-09-2018. Total of 18 students from 6 colleges participated. iii) Interdisciplinary approach to be adopted by all departments in teaching.

1. Every Department to hold workshop/ Seminar/ Extension lecture to ensure early exposure to research climate

i) A workshop on the theme "COMMUNICATING SCIENCE FOR ALL" was organized on February 22, 2019, during the first session of SCIENCE FIESTA II. Dr. Jaswinder Singh, Lecturer in Physics, (National awardee by DST and State awardee) and Prof. B.S. Sidhu, Ex HOD, Department of Physics, S. Govt. College of Science Education and Research, were the Resource persons. Total of 266 students from various colleges and school. ii) One day popular lecture series was organised on the theme "COMMUNICATING SCIENCE FOR ALL" on February 23, 2019 under the aegis of DBT, Ministry of Science and Technology, New Delhi. a) Dr. Susheel Mittal, Senior Professor, School of Chemistry and Biochemistry, Thapar Institute of Engineering Technology, Patiala, delivered a lecture on "Crop Residue Burning And School Children Health". b) Dr. Archana Chauhan, Assistant Professor, Department of Zoology, Panjab University, Chandigarh spoke on "Biodiversity and EDNA". c) Dr. Rajeev Kumar, Department of Physics, Punjab Agriculture University, Ludhiana spoke on "My Sterious Universe Macro and Microscopic View". The series was attended by more than 200 students and teachers from colleges including the host institute. iii) Dr. Richa Puri, Professor, Department of Botany, Panjab University, Chandigarh conducted a workshop cum Hands on Training on "Plant Tissue Culture" on March 27, 2019 which was attended by 106 students and faculty. iv) Dr. Richa Puri, Professor, also delivered a talk to students on March 27, 2019 on "Essential oils and aromatherapy." v) One day seminar was organised on the theme "Importance and Protection of Ozone Layer" on February 23, 2019 under the aegis Panjab Pollution Control Board, Patiala. Dr. Davinder Mehta, Professor, Department of Physics, Panjab University, Chandigarh delivered a talk on "The Importance And Protection Of Ozone Layer." on September 15, 2018. dur He

also demonstrated an apparatus for forming Ozone gas which can be used to remove pesticides from raw vegetables and fruits. vi) Dr. S.S. Marwaha, Chairman PPCB also delivered a lecture on "Environment and its Protection." on September 15, 2018. vii) Dr. Swarndeeep Singh Hundal, Professor Head, Dept. of Zoology, P.A.U. Ludhiana, delivered a lecture on "Man and environment" on 20032019. viii) Dr. Manjinder Singh Gill, Associate Professor, Department of Pharmaceutical Technology, NIPER, Mohali, on "Process Chemistry and Drug Development." on March29, 2019. ix) Dr. Jyotica Judge delivered a lecture on "Psychological Problems of Youth" on August20, 2018.

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Staff Council of the College	21-Feb-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2020

Date of Submission

28-Feb-2019

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)

The management information system is designed for academic and administrative work. To streamline the work college has designed Office Management System. This system meets various aspects of the functioning of the office. The list of modules currently operational are: 1) Registration and Online Admission: The College is using an online admission module to admit students in UG and PG classes according to merit prepared online using the module. 2) Fee Module:

The College is using this module of MIS to collect a fee from students of UG and PG classes by providing them with a unique registration ID and passwords. The college has signed a memorandum with Punjab National bank to provide an online integration network for a fee.

3) Attendance Module: By using this module teachers are creating an attendance list of students subject wise and date wise. 4) SMS Module: This module of MIS is used to send messages to students and parents to inform about events in college. 5) Public Financial Management System (PFMS): PFMS is a government initiative for transparent and efficient fund transfer to organizations and beneficiary and also support reports of realtime expenditure at all levels. 6) Hostel Management System 7) Time Table Management: 8) Various types of Reports generation 9) Records of Seminars and projects issued to students

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

The college is affiliated to Punjab University, Chandigarh. The syllabus is framed and governed by the university and the college implements it as such. However, the teachers can send their suggestions to the members of the Board of Studies in this regard.

1. The university prepares the academic calendar and college adheres to that during the academic session. The academic calendar is incorporated in the prospectus and displayed on the official website of the institution.
2. The time table is prepared at the beginning of the session. The same is then displayed on the notice board for information of students and is also circulated among the teachers for the proper implementation.
3. The teachers of various departments prepare the detailed schedule of topics/lectures to be delivered in class in advance for the timely, systematically, and effective completion of the syllabus.
4. The teachers acquaint the students with the syllabus, the relevant books required for course work, and the paper pattern followed by the university.
5. In the present semester system as per University, schedule syllabi are spread over two terms i.e. July to December and January to May.
6. The teachers use innovative teaching techniques like a)MIPS, b)PPT c)Projectors)Visual charts e)Models
7. Assignments are given to students to improve their reasoning, writing skills, and develop problem-solving skills.
8. Allocation of projects, new experiments to inculcate research aptitude.
9. The teachers conduct the class tests on completion of every unit. These tests help the students to prepare for their course work in time.
10. As per the requirement of the respective syllabi of the courses the excursions tours/trips to various institutes, universities, biodiversity regions are regularly scheduled.
11. The teachers are assigned tutorial periods to provide additional help to the students whenever, wherever,

whatever necessary. 12. The students are also encouraged to consult the online material to enhance their knowledge. The college has 6 semi-smart classrooms one smart and one virtual classroom to make the teaching-learning process interesting and effective. 13. In time completion of the syllabus, assessment of student's ability through class tests is used for the improvement of the student's potential and analysis of student's deficient areas. This helps in in-time solutions to their problems.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
nil	nil	01/12/2018	0	nil	nil

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
No Data Entered/Not Applicable !!!		

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

	Certificate	Diploma Course
Number of Students	0	0

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
0	01/12/2018	0
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1.3.2 – Field Projects / Internships undertaken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BSc	medical, Non-Medical	0
MSc	Botany	37
No file uploaded.		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	No
Employers	No
Alumni	Yes

Parents

Yes

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

Feedback Obtained

The feedback questions are wide-ranging and cover every aspect of the college including the faculty, curriculum, extracurricular activities, infrastructure, and NSS, etc. The students are asked to indicate the degree of agreement on the scale of ranging one to five. A higher score indicating strong agreements. The feedback obtained is analyzed by the team of senior teachers. A brief analysis of Students, Parents, and Alumni feedback is as follows. STUDENTS FEEDBACK: • Curriculum, Teaching, Learning, and Evaluation: Students affirm that faculty comes well prepared and cover the syllabus well in time. Most of the students registered a score of four and five range. In case of any complaint about shortage of lab material or books, these are made available out of college funds. Students expressed their satisfaction with the evaluation system devised for them. • Infrastructure: a) Departmental libraries have an excellent collection of books and students are also contented with the Xerox facility. b) Students demanded improvement in the canteen facilities. c) The majority of students were satisfied with the water facility and demanded better washrooms. d) Students are satisfied with medical facilities being provided to them. e) Students demanded more computers and better internet services. f) Students wanted that the sitting capacity of the Auditorium should be increased. PARENTS FEEDBACK • Parents expressed their complete satisfaction over the academic environment being provided to their wards in the college. • They affirmed that the college emphasizes upon the holistic development of students. • Parents demanded a better mess facility in the hostel. ALUMNI FEEDBACK • Most of the members of the Alumni Association expressed satisfaction with the progress and growth of the College. They suggested that professional courses and vocational courses should be introduced in the Curriculum. • They emphasized that more practical work should be introduced as per the need of the industry and existing Society. • They demanded regular appointment of faculty members for the quality education of the students. • They wanted that Alumni Meet should be held in the month of December or January as in these months, NRI students could attend. In conclusion, the satisfaction level can be graded as high in terms of infrastructure and academics. The feedback exercise has provided valuable inputs and shore spotlight on areas where improvements are needed. To establish and maintain a higher level of satisfaction within the students, the staff is making efforts to provide better facilities.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MSc	Botany	40	69	24
MSc	Chemistry	40	88	37
BSc	Non. Medical	160	199	128
BSc	Medical	80	103	63

[View File](#)

2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	453	142	12	2	16

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
29	20	8	2	10	6
View File of ICT Tools and resources					
View File of E-resources and techniques used					

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

The state govt. has especially established this institution to provide quality science education to the rural and semi-urban youth and to bring them at par with their urban counterparts. This college caters to the needs of students coming from rural areas who lack the proper academic background and financial backup, so, mentoring of students is an essential requirement to render equitable service to all our students who have varied backgrounds. The student population varies in regard to educational and economic background, so it becomes our duty to provide proper mentoring so as to bring out their highest potential. Student mentoring has the following aims • To enhance the academic performance of students. • To provide proper guidance at their tender age. • To counsel them in the choice of career. • To emphasize on all over Personality development. • To teach morals and make them good and responsible citizens The students are provided mentoring on the first day of a new session by the Principal and concerned teacher-in-charge about the facilities and other beneficial schemes like Scholarships, bus pass facility, N.S.S., etc. They are also acquainted with the examination, evaluation system of institution, and rules and regulations regarding discipline. The students of every class are divided into tutorials/ buddy groups of 20-25 students. Each group is assigned a teacher mentor/senior buddy who performs mentoring duties. Mentors are expected to offer guidance and counseling as per the schedule. The tutorial periods are held in the 1stand 3rd Wednesday of the week in which students are free to discuss any kind of problems with the teachers and they are also guided in all respects. The concerned teachers do their best to solve the problems of the students at the earliest. The female teachers also provide mentoring to the hostellers and try to provide the best academic atmosphere to them. The mentors sort out the personal, academic, and non-academic problems of the mentees and provide guidance.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
595	29	20.5

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
39	25	14	5	2

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

Year of Award	Name of full time teachers receiving awards from state level, national level,	Designation	Name of the award, fellowship, received from Government or recognized
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	international level		bodies
2018	nil	Professor	nil
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
MSc	002	Semester4May2019	29/05/2019	02/08/2019
MSc	001	Semester2/May2019	27/05/2019	06/08/2019
MSc	002	Semester3Dec2018	17/12/2018	01/03/2019
MSc	001	Semester1Dec2018	18/12/2018	29/03/2019
BSc	0006	Semester6/May2019	01/06/2019	28/06/2019
BSc	0004	Semester4/May2019	31/05/2019	18/07/2019
BSc	0002	Semester2/May2019	01/06/2019	28/07/2019
BSc	0005	Semester5/Dec.2018	21/12/2018	14/02/2019
BSc	0003	Semester3/Dec.2018	26/12/2018	22/02/2019
BSc	0001	Semestel/Dec.2018	24/12/2018	03/04/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The college has initiated many reforms for the Continuous Internal Evaluation (CIE) of the students. Following the University directive with regard to internal evaluation, we keep 10 weightage for the theory and practical internal assessment at the ensure the best learning outcomes and identify focus areas for every student. This method ensures the commitment of teachers and students as well as close and constant assessments of the students. For Postgraduate students, class tests/snap tests, take-home assignments, seminars and projects classroom discussions and attendance are the parameters for the award of internal assessment.

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

The academic calendar is prepared by the university and college adheres to it for the conduct of examination in the college. This calendar is also given in the prospectus for the information of students. The college council develops and designs its own Activity calendar at the beginning of the academic year for organizing various co-curricular/extra-curricular activities like science

fiesta, quiz, seminars, workshops, extension lectures, club activities at departmental level/college level, house examination and other competitions. The internal examination is decided and conducted at the college level. The semester-end examination are conducted as per the schedule given by Panjab university. Chandigarh. The director and IQAC Co-ordinator ensures proper implementation of various academic and other activities and sees that appropriate is made by the teachers and records are maintained accordingly. Academic calendar and monthly activity calendar are uploaded in the Institutional website.

2.6 – Student Performance and Learning Outcomes

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

<http://gscjgn.org/learning-outcomes/>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
002	MSc	Botany	36	33	91.66
002	MSc	Chemistry	44	44	100
0006	BSc	Medical	40	38	95
0006	BSc	Non.Medical	100	87	87

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2.7 – Student Satisfaction Survey

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

<http://gscjgn.org/student-satisfaction-survey/>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Total	0	nil	0	0

[View File](#)

3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
0	0	01/12/2018

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
nil	nil	nil	01/12/2018	nil

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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
nil	nil	nil	Nanak Bagichi	Medicinal Plants Garden	01/12/2018

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
Nil	0

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	nil	0	0

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Punjabi Chapter in Book	2
Punjabi Paper Published	1
Punjabi Book	1

[View File](#)

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
nil	nil	nil	2018	0	nil	0

[View File](#)

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
nil	nil	nil	2018	0	0	0

[View File](#)

3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	2	8	25	6
Presented papers	1	2	0	0
Resource persons	0	0	0	0
View File				

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
9.Youth Parliament	Organised by S.C.D. Govt College, Ludhiana as per instruction of ministry of youth affairs Govt. of India	2	6
8.Voter Chatna camp on 04-04-2019	Local Administration	1	50
7.Nukkad Natak on Importance of Cleanliness on 13-01-2019	N.S.S Unit	2	60
6.Awareness Rally on Importance of Cleanliness and Drug De-addiction. On 12-01-2019	NSS Unit	6	40
5.Yoga Camp on 12-01-2019	NSS Unit in Collaboration of Art of Living	6	60
4.Visit to lepers' home 10-01-2019	N.S.S Unit	6	50
3.Lecture on Dental health on 08-01-2019	N.S.S Unit	6	70
2.Marthon Race on 150th Gandhi Jyanti on 02-10-2018	Local Administration	2	50
1.International Yoga Day 21-06-2018	College	2	50
View File			

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students
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			Benefited
Quiz Contest during Zonal Youth Festival 10-10-2018	First prize	B.K.S. college , Muhar	3
Essay writing during Zonal Youth Festival 13-10-2018	First prize	B.K.S. college , Muhar	1
Ennu Making during Zonal Youth Festival 11-1-2018	Third Prize	B.K.S. college , Muhar	1
Muhavera daar vartlap during Zonal Youth Festival 12-10-2018	Third Prize	B.K.S. college , Muhar	3
Muhavera daar vartlap during Zonal Youth Festival 12-10-2018	Individual Prize	B.K.S. college , Muhar	1
Inter college Quiz contest on Environment and its Protection on 13-09-2019	First prize	S. Govt college of Science Education Research, Jagraon	3
Inter college Power Point Competition on "Save Mother Earth" on 13-10-2018	Second Prize	Khalsa college sidwan khurd	1
Inter College Competition on Save Mother Earth on 13-10-2018	Consolation Prize	Khalsa college sidwan khurd	1
District level Essay Writing Competition on 23-01-2019	First prize	Govt. College of Girls, Ludhiana	1
Inter college Competition on Essay writing on 22-02-2019 on Science Fiesta	First prize	S. Govt college of Science Education Research, Jagraon	1
View File			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Aids Awareness	Red Ribbon Club and NSS unit	Lecture on "Causes and Prevention of Aids" by Dr. Surinder Singh	2	60

		and Jaswinder Singh on 11-01-2019		
Swatch Bharat	NSS unit of college	Cleanliness Drive on 08-01-2019	2	60
550th Birth Anniversary of Shri Guru Nanak Dev Ji	Language department of S. Govt college of Science Education Research, Jagraon	Lecture on "Life and Teachings of Shri Guru Nanak dev ji" on 19-11-2018	2	120
150th Gandhi Jyanti	Panjab Govt.College Retired Teacher's Welfare Association, Punjab and S. Govt college of Science Education Research, Jagraon	Seminar on "Gandhian Philosophy" by Dr. Shailja Verma on 19-11-2018	2	100
150th Gandhi Jyanti	Women Forum of S. Govt college of Science Education Research, Jagraon in collaboration with Art of Living Society	Special Prayer Meeting and Meditation Session on 02-10-2018	2	140
Environment: Awareness and Protection	S. Govt college of Science Education Research, Jagraon in collaboration with Punjab Pollution Control Board	Lecture on "Importance and protection of ozone layer." By Dr. Davinder Mehta, Professor Dept. of Physics, Panjab University, Chandigarh on 15-09-2018	3	130
Environment: Awareness and action for Protection	S. Govt college of Science Education Research, Jagraon in collaboration with Punjab Pollution Control Board	Poster Presentation, Speech power point competitions on 14-09-2018	3	12
Environment:	S. Govt college	Inter college	3	18

Awareness and action for Protection	of Science Education Research, Jagraon in collaboration with Punjab Pollution Control Board	Quiz competition on 13-09-2018		
Gender Issue	S. Govt college of Science Education Research, Jagraon	Lecture on Psychological Problemes of of Hosteller's Girls on 20-08-2018 by Ms. Jyotika Judge, Research Scholar, PU, Chd.	2	170
Buddy Program (Awareness drive to keep away from drugs)	S. Govt college of Science Education Research, Jagraon as per instructions of Govt. of Punjab	Launch of Buddy Program on 15-08-2018	2	595
View File				

3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Nil	0	Nil	0
View File			

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Training	Industrial training	National Institute of Pharmaceutic al Education Research, Mohali	08/01/2019	17/01/2019	17
View File					

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers
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			participated under MoUs
nil	02/01/2019	nil	0
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
40	18.1
75	72.1
7.5	7.3
4.96	4.69

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Seminar Halls	Newly Added
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
View File	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
nil	Fully	nil	2020

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	16806	0	403	103802	17209	103802
Reference Books	370	0	61	42884	431	42884
e-Books	0	0	0	0	0	0
e-Journals	0	0	0	0	0	0
Digital Database	0	0	0	0	0	0
CD & Video	0	0	0	0	0	0
Library Automation	0	0	0	0	0	0
Others (specify)	0	0	0	0	0	0

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
nil	nil	nil	01/12/2018
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	33	0	4	1	1	6	10	2	17
Added	13	0	0	0	0	0	0	0	13
Total	46	0	4	1	1	6	10	2	30

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

2 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
nil	nil

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
33.2	33.2	23.6	23.6

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

The college follows the university regulations in constituting all necessary staff council committees and other statutory bodies that oversee the maintenance and utilization of all resources. These committees oversee the maintenance of college infrastructure, equipment, and facilities. 1. The college has a building committee that oversees the maintenance of the college infrastructures through meeting conducted in which necessary requisitions are considered, followed up, and proposed to the concerned Governing Body for sanctions of funds. All purchases are made on a quotation basis and the infrastructural needs are fulfilled. 2. The Laboratory equipment is purchased and maintained by the departmental Committee that acquires required material and equipment. A suitable arrangement is made for the maintenance of computers, electronics, and laboratory equipment in the college at the departmental level. Stock maintenance is undertaken annually by concerned Committees to check any

lack of wear and tear in equipment. 3. The college owns a CCTV camera, SMS System, for the safety, comfort, and effective communication with the students and parents. Each of these is maintained through various committees formed at the beginning of the session. 4. The college campus is Wi-Fi enabled, the maintenance of which is done by members of the computer and network center. Wi-Fi data connections have been paid for by the college through the PTA fund. 5. The college library is a member of INFLIBNET on an annual subscription basis. This membership entitles faculty and students to access 3 crore book titles and 6000 e-journals. Every department has well equipped departmental libraries which issues books to the students and maintain the record. The annual stock checking is dually undertaken to maintain the record. 6. The institution further has an annual contract with the Canteen and hostel mess. The services are reviewed every year by the duly constituted committees and the contract renewed if all expectations are met. 7. Girls Hostel Committee sees to maintenance of rooms, CCTV cameras, lawns, sanitation, electrical appliances like geysers, washing machines, water coolers, RO systems, fans, and furniture as per requirement. 8. We also maintain Pest Control for the entire building and Girls hostel through the anti-larva unit of Civil Hospital, Jagraon. 9. The Sports Grounds are maintained by the Sports Committee. 10. The college also caters to services such as Polling station for Elections in its premises to make optimum use of the college infrastructure. 11. College owns a generator and Photostat machine for the convenience of students which is properly maintained.

<http://gscign.org/>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	nil	0	0
Financial Support from Other Sources			
a) National	NSP,SC/BC, Inspire	122	2092123
b) International	nil	0	0
View File			

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
nil	01/12/2018	0	0
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed

2018	Career counselling and guidance cell	105	105	0	0
View File					

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
IOL Chemical Pharmaceutical PVT. Limited	38	10	nil	0	0
View File					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	3	UG (B.Sc.)	non Medical	S.C.D. Govt College, Ludhiana	M.Sc. Mathematics
2019	1	UG (B.Sc.)	Non Medical	Sant langowal institute of Engineering Technology	M.Sc. Mathematics
2019	1	UG (B.Sc.)	Non Medical	halsa College, sidhwan khurd	M.Sc. Physics
2019	1	UG (B.Sc.)	Non Medical	G.H.G Khalsa college, Sidwan Khurd	M.Sc. Physics
2019	1	UG (B.Sc.)	Non Medical	Panjabi University, Patiala	M.Sc. Physics
2019	1	UG (B.Sc.)	Medical	Panjabi University, Patiala	M.Sc. Forensic
2019	1	UG (B.Sc.)	Non Medical	G.H.G Khalsa College guruser	M.Sc. Chemistry

				Sadhar	
2019	1	UG (B.Sc.)	Medical	Panjabi University, Patiala	M.Sc.Chemistry
2019	7	UG (B.Sc.)	Medical, Non-Medical	S. Govt college of Science Education Research, Jagraon	M.Sc.Chemistry
2019	3	UG (B.Sc.)	Medical	S. Govt college of Science Education Research, Jagraon	M.Sc.Botany
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	8
SET	0
SLET	0
GATE	3
CAT	0
GMAT	0
GRE	0
TOFEL	0
Civil Services	0
Any Other	0
View File	

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

Activity	Level	Number of Participants
10.Essay writing Competition on 22-02-2019 on Science Fiesta II	State level (Inter college Competition)	21
9. Speech/Debate Competition on Swachh Bharat Abhiyan during NSS Camp on 13-01-2019	Institution level	7
8. Slogan Competition on Road Safety on 05-02-2019	Institution level	10
7. Poster Making Competition on Road safety on 05-02-2019	Institution level	6
6. Debate on Road safety Week on 05-02-2019	Institution level	6

5. Poster Making Competition on Voter Chetna Diwas on 19-01-2019	Institution level	5
4. Speech Competition on 19-01-2019 on Voter Chetna Diwas	Institution level	6
3. Poster Making Competition on 14-09-2019	Institution level	5
2. Speech/Power Point Competition on 14-09-2019	Institution level	6
1. Quiz Contest on "Environment and its Protection" on 13-09-2019	State level (Inter college) at our own Institution	18
View File		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	0	National	0	0	0	0
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Yes, the college has a student council which comprises of toppers of class, best athletes, all-round best students from boys and girls, best N.S.S volunteers from girls and boys, hostel head girl and student editors of College magazine. All the representatives select one president and the other secretary members of the council with the guidance of the teacher-in-charge. The council forms a connecting link between the director of college and students. They also help in organizing functions like conferences, workshops, extension lectures, intercollege and school competitions, important days celebration, programs of clubs and societies. In the girls hostel, students perform various duties like a head girl, vice head girl, treasurer, discipline committee, mess committee, beautification committee, cleanliness, and sanitation committee, etc. The students are an inseparable part of 1. Subject societies 2. Women forum 3. IQAC 4. Environmental club 5. Grievance Redressal /Sexual harassment committee 6. Hostel committee 7. Anti Narcotic Club 8. Red Ribbon club 9. Red Cross Society

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes, Alumni Association is has been registered on September 6, 2016, under the Societies Registration Act(XXI of 1860). Alumni Association of college has been playing a great role in offering a platform to old students to reconnect with their alma mater. The meetings of the Alumni association are held from time to time. The composition of association includes the director of the college as a patron, president, senior vice president, secretary, and treasurer. Annual alumni meet is organized to discuss and enhance wholesome education and development. This year Golden Jublie Alumni meet was held on 1-12-2018. Alumni

members extend every possible help to the institution. They are regularly invited to interact with students. Alumni play an important role in encouraging students to excel in life. They come and share their expertise from various fields like government, academia, corporate world, etc. Some of the alumni are occupying respectable positions in the state administration and in academics. They are invited to address the students to boost their confidence. Series of lectures were held by their alumni who are well settled in higher studies in reputed institutes. They are role models for the students to achieve their goals. • S. Darbara Singh Guru, IAS former, Chief Secretary of CM of Punjab • S.Jaswinder Singh Brar Former DPI Colleges, Punjab • Dr. Gurbakshish Singh Sidhu D.M. Gastro Max Hospital, Mohali • Dr. Parmjeet Singh Gill, Okanogan University College, Kelowna • Dr. Anil Kumar Sharma, Professor And Head, Kidwai Memorial Institute Of Oncology, Bangalore • Dr. Phulwinder Swingh Senior Medical Scientist Cum Senior Research Fellow University of Adelaide, Australia • Dr. Deepak, Kalyani Hospital, Jagraon • Dr. Avtar Singh, Carewell Hospital, Jagraon • Dr.Ajay Bansal, Bansal Hospital, Jagraon • Dr.Gourav Garg, Garg Hospital, Jagraon • Dr.Hari Singh Hans, Hans Maternity Hospital, Jagraon • S. Mal Singh Hans, S.D.O BSNL, Jagraon • S.Gurpreet Singh Sidhu, Principal Lala Lajpat Rai Engineering College And Technology, Moga • Er. Gurpreet Mohinder Singh Sidhu, Additional S.E PSPCL • Er.S. Harvel Singh, Dhaliwal Additional S.E PSPCL • Er. Ravi Chopra, Additional S.E PSPCL • Er.Dharpal, Additional S.E PSPCL • Er. Jagdev Singh Hans, Additional S.E PSPCL • Dr. Hardeep Singh Gill, University of Massachusetts Lowell • Mrs.Harmandip Kaur, Former Director of College • Mr.Mandeep Ralan, Assistant Commissioner Special Bureau • Mr. Sandeep Goyal, Ph.D. TIFR Post Doc. U.S.A • S. Gurkirpal Singh, Guidance And Counseling Officer, Ludhiana • S. Bhupinder Singh, Additional S.E PSPCL • Dr.Karan, Assistant Professor DAV College, Sector -10, Chandigarh • Dr. Kuldeep Singh, Education, and Community Services Punjabi University, Patiala has offered his services for the college all the time. • Dr. Manjinder Singh, Assistant Professor in Department Of Pharmaceutical Technology NIPER, Mohali works as an active member of this association • Mr. Sahil Sharma, B.tech from IIT BHU

5.4.2 – No. of enrolled Alumni:

117

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

180050

5.4.4 – Meetings/activities organized by Alumni Association :

1. Alumni meetings were conducted on 22/10/2018 to elect the office bearer unanimously for the session. 2. An executive meeting of the alumni association was held on 27/10/2018 to decide about the Golden Jubilee Alumni Meet. 3. The Alumni Executive meeting was held on 17/11/2018 regarding the preparation of the Golden Jubilee Alumni Meet. 4. Golden Jubilee Alumni Meet was held on 1-12-2019 which was attended by nearly 400 alumni who are working on different respectable positions. 5. The Alumni Executive meeting was held on 22/12/2018 to take various decisions regarding the utilization of contributions made by alumni for the development of the college and welfare of the students. The alumni also provide scholarships/awards/prizes to the deserving students. a) Dr. Manmohan Sing Former IAS donated Rupees 21000/- for the topper students of B.Sc. and M.Sc. classes. The executive members approved to provide 5100/- to the topper students of outgoing classes. b) Former Director S.Mohinder Singh Jassal and His family members adopted eight needy students and decided to give 5000/- per student as financial aid. 6. Feedback was taken from alumni regarding the admission process, teaching-learning, infrastructure, library, and faculty, etc.

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)

(1) To work towards decentralization, many committees have been formed in the college. Conveners of all committees work in collaboration for the smooth functioning of the college. Heads of departments prepare the time table, unitization of the syllabus, and organize lectures, workshops, projects, and plans to ensure the quality of teaching-learning in co-operation with other faculty members of the department. A decentralized mechanism empowers the faculty with a great level of responsibility in academic leadership helps the faculty in taking decision. There are 35 staff committees, a few important ones are House/ university examination committee managed by Registrar, financial matters supervised by the college Bursar, various admission committees, STAR college, RUSA and UGC committee, IQAC, etc.. Youth, and cultural program committee, RTI, and Court case committee, Press and publication committee, scholarship and financial aid committee, hostel committee, anti-ragging committee, grievance redressal and sexual harassment committee which do the needful for the welfare of students. (2) Certain activities regarding planning and decision making are with the Staff council and heads of various departments. The college encourages a culture of participative management by involving staff members in various administrative functions. (1) The college has set up various functional committees. The decisions are always taken in consultation with the members of committees headed by the convener. The members of non-teaching are also associated with the committee. (2) The departmental and other societies have a student body that participates equally in the organization of all academic and cultural activities in the college. All the members work in a coordinated manner to make any activity or function a success. The students are an inseparable part of a) Subject societies, b) IQAC c) Women Forum, d) Environment committee e) Grievance Redressal/ Sexual Harassment Committee, f) Hostel committee g) Red Cross Society h) Red Ribbon Club i) Legal Literacy Cell j) Youth festival.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	Students are admitted in UG courses purely on the basis of merit and in PG on the basis of a combination of entrance tests conducted by Panjab University Chandigarh and their academic record to ensure transparency. Admission committees are constituted of teaching staff, that look after the entire admission process.
Industry Interaction / Collaboration	To prepare students for a successful career and make them employable, interaction with the industry by way of industrial visits and inviting the representatives from the industry are organized from time to time. We plan to

develop formal collaboration with some industries in the future. IOL pharmaceutical, WIPRO pharmaceutical, and WERBIC pharmaceutical industry conducted campus placement drive and hired the students from our college.

Human Resource Management

(i) The permanent faculty is recruited by PPSC as per eligibility conditions laid down by UGC. (ii) Part-time/Guest faculty teachers are working as per the guidelines laid down by the Government of Punjab/ DPI (Colleges), Punjab. The institute appoints an adequate number of qualified faculty as per requirement at the beginning of the session through the procedure of open advertisement and interview by internal expert committee. (iii) Two members of in-office staff have been arranged on a contract basis. (iv) Casual labor is managed for lab/ fieldwork on DC rates as and when required.

Library, ICT and Physical Infrastructure / Instrumentation

i. Library: The College has a main library and 5 fully functional departmental libraries, having 16806 of books, 25 journals, 10 magazines, 6 newspapers. There is also a facility of N- List programme under INFLIBNET, where the students can have access to all kind of reference material online. ii. ICT/ Physical Infrastructure: The college has 10 classrooms (2 smart rooms, 1 virtual classroom, 7 semi-smart rooms), 12 laboratories(out of which 4 laboratories are provided with projectors), 1 seminar hall (well equipped with projector), 1 computer centre cum UGC network resource centre, 1 girls' hostel (with internet facility), 1 well maintained botanical garden hoisting more than 300 plant species belonging to different flora and grown in a systematic manner, 2 museums, 1 herbarium, 1 medicinal plant garden and 1 cactus garden. iii. Instrumentation: All the teaching departments have internet access to augment the knowledge of students and teachers and also to help the students to fill scholarship forms, examination forms and help the staff in day to day work given by the university/ DPI. Administrative office and accounts office is also fully automated. iv. All laboratories are well equipped with all type of instruments and Lab material.

Research and Development

In order to develop scientific temper

and research culture and aptitude among students, the institute organizes • Workshops at the college level where students get opportunities to interact with eminent research scholars of the subject. • Students are taken to research Labs/Universities to interact with research scholars and to expose them to the nature of the research being carried in these labs. • Eminent scientists are invited to the institute to deliver lectures based upon their field of research in addition to advanced general topics. • Research activities like a survey of a college campus for the occurrence of different species of plants are undertaken by the Botany department. • Laboratories are well equipped with sophisticated and latest instruments. • Students are encouraged to conduct departmental level seminars for enhancing their analytical skills. • Students at the PG level are advised to qualify UGC-NET. • Minor research projects are allotted to students by all the departments to inculcate research aptitude in them.

Examination and Evaluation

The evaluation procedures for each course are fixed well in advance and communicated to the students at the beginning of the year. • UG students are evaluated through monthly tests taken after each unit according to the course plan. They are also evaluated on the basis of house tests, assignments, seminar presentations, project work, and attendance in internal assessment. • P.G. students are evaluated through class tests, snap tests, group discussion, seminar presentations, assignments, and attendance. • Final evaluation of students is made by the University examinations.

Curriculum Development

The process of developing and designing the curriculum is carried out by the university however, views of the college teachers are put forward to the university through the members of the board of studies of the college.

Teaching and Learning

In addition to the Chalk and Talk method of teaching, modern means of teaching have been introduced. • Teaching through PPTs, MIPS • Smart classrooms to make teaching still more interesting and effective. • The internet facility is provided to all the departments. • Facility of

departmental libraries. • Extensive use of internet downloading of study material by both teachers and students. • Generation of SOPs and Lab manuals for the students • Extension lectures by visiting faculty, seminars by students • Participation of students in seminars/workshops/symposia and conferences. • Participation of Students in group discussions in classes • Assignments. • Feedback from students is taken which helps to improve classroom teaching in the future.

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

E-governance area	Details
Planning and Development	(i) Each department is provided with computers having internet facility and projector. (ii) The college has upgraded the office administration software by adding more office modules, like registration and admission module, student fees, student login, subject module, result module, Teacher insertion module, student attendance, Alumni, SMS alert, Library, Hostel, Update log ,Reporting module etc.
Administration	(i) Administrative office accounts office and departments are facilitated by 2 MBPS leased line. also fully automated. (ii) The database of its employees is maintained at a common platform named HRMS (Human Resource Management System) and the salary of the office staff is also prepared and disbursed through the IFMS (iii) 40 CCTV surveillance system is operative at various points inside the campus.
Finance and Accounts	The salary of permanent employees is managed online by Punjab government treasury and temporary employees is managed by college software. Scholarships or student fee concession or fee collection/ refund, all transactions are managed online. All payments are made through e-mode or cheque.
Student Admission and Support	(i) Registration for student admission as well as payment of fees is managed by office administration software. The students register themselves for admission to various courses online. The tentative merit list is displayed on the website. Students deposit the fee online. (ii) The guidelines and all

	relevant information for the applicants are uploaded on the college website and notice board. A soft copy of College prospectus is also uploaded on the college webpage. (iii) The contact details of the convener of admission committees are also displayed on the website/notice board.
Examination	The examination schedule is administered by Panjab University, Chandigarh. Prior to Semester end examination, all notifications like submission of examination forms are timely displayed on the college website and notice boards, information regarding the collection of admit card, date sheet, and other examination related formalities are also communicated to students through SMS/website/notice board. A list of examination based instructions is also uploaded on the website/notice boards prior to examination.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Mrs Sumedha Syal	Prof Ram Chand Paul National Symposium on "Chemistry for future" on 01/03/2019	Chemistry Department, Panjab University, Chandigarh.	2623
2019	Chander Preet	Prof Ram Chand Paul National Symposium on "Chemistry for future" on 01/03/2019	Chemistry Department, Panjab University, Chandigarh.	2623
2019	Ameet Rana	Prof Ram Chand Paul National Symposium on "Chemistry for future" on 01/03/2019	Chemistry Department, Panjab University, Chandigarh.	2623
2019	Ms. Sonia Sharma	Prof Ram Chand Paul National Symposium on "Chemistry for future" on 01/03/2019	National Institute of Pharmaceutical Education and Research, Mohali	8450

2018	Mrs Sumedha Syal	National conference on "Social importance of Science and encouraging Teaching of Science in Hindi/ Punjabi" October 13-14, 2018	IISER, Mohali and it was sponsored by Azim Premji University, Bengaluru.	0
2018	Mr. Nirmal Singh	National conference on "Social importance of Science and encouraging Teaching of Science in Hindi/ Punjabi" October 13-14, 2018	IISER, Mohali and it was sponsored by Azim Premji University, Bengaluru. IISER, Mohali and it was sponsored by Azim Premji University, Bengaluru.	0
2018	Mrs. Sarabdeep Kaur	National conference on "Social importance of Science and encouraging Teaching of Science in Hindi/ Punjabi" October 13-14, 2018	IISER, Mohali and it was sponsored by Azim Premji University, Bengaluru.	0
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Administrative Software training	Administrative Software training for admission	06/07/2018	06/07/2018	25	5
2019	State level Workshop	"Communicating Science	23/02/2019	23/02/2019	58	3

on for All"

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
nil	0	01/12/2018	02/12/2018	0

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	5	0	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1Staff contribute to Provident Fund 2.House Building loan from National banks 3.Medical reimbursement as per govt. rules. 4. LTC .5.Pension Scheme	1Staff contribute to Provident Fund 2.House Building loan from National banks 3.Medical reimbursement as per govt. rules. 4. LTC. 5.Pension Scheme 6.Loans from PTA Fund :Wheat fund and festival fund	1.Student Aid Fund 2. Free books to meritorious and poor students 3. Special coaching to weaker students 4. Bus Pass. 5. Sc, OBC and minority scholarships 6.Scholarship from Alumni, teachers and Non Govt. sponsored

6.4 – Financial Management and Resource Mobilization

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

Yes, the college conducts internal and external financial audits regularly. An audit is a systematic and independent examination of documents, vouchers, and account books of college to ascertain how the financial statement, as well as records, presents in a true and fair manner. The college superintendent and clerical staff maintain the record of all funds and entries are duly made in assigned registers (cash books) which are cross-checked by college bursar. An internal audit of PTA is done by the Parents in the executive committee of PTA. At the beginning of the session, the income and expenditure statement of the previous year is read out in the general house of the PTA for approval of the budget. External audit of PTA fund, grants under the Star college scheme, and UGC grants are done by authorized Chartered accountant. The Government funds are audited by auditors appointed by the office of the AG, Punjab. The external audit of Govt. Funds and Grants of the college were done from 24-02-2015 to 27-02-2015.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
PTA	4614000	honorarium to guest faculty, development of

the college, daily wages, purchase of infrastructure, for academic, cultural functions and sports meet,

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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Technical progress report analysed by DST, New Delhi on 18th to 20th April 2019	Yes	IQAC/College Council
Administrative	No		Yes	Bursar College Director

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

- The Parent Teacher Association is formed at the beginning of the session. The president, vice president, and treasurer of the association are elected unanimously for the session. All kind of expenditure from the PTA fund is done with the approval of the association. The approval of the expenditure of the previous session is taken from the parent-teacher association and the expected Budget of the new session is put forward for their approval. The association is a valuable asset. PTA has spent money institutional requirements like salaries of teachers, salaries class IV employees, repair of the building, etc. and organization of college functions.
- Parents are important stakeholders in imparting education to our students, college takes inputs from parents through active feedback from them on various issues like studies and infrastructural support, personality development of students, etc. Concerned parents write emails to the college director which are replied and acted upon.
- Feedback is analyzed and sent to IQAC. IQAC conducts meetings with Principal and Departmental heads to take remedial measures.
- If students are short of attendance/if not performing well in tests, parents are called to meet concerned teachers and future corrective action that they need to ensure.

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

- One-day induction programme on the use of PFMS
- One-day induction programme on the use of EAT module.
- Administrative Software training for admission.

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

The college believes that opportunities should be available to all stakeholders for holistic development. A number of initiatives were taken.

- With the help of a grant received from DBT under the Star College Scheme, RUSA - HPLC, UV-Visible Spectrophotometer, Scintillation Counter Gamma Ray Spectrometer and another instrument of worth rupees Rs. 48,52,903/- were purchased and Tissue Culture Lab was established to promote research climate in sciences.

Laboratories are well equipped with sophisticated and latest instruments. Minor research projects are allotted to students by all the departments to inculcate research aptitude in them. The teachers also gain experience from mentoring and guiding research projects. • The college undertook the initiative to promote scientific aptitude in budding scientists, the college organized two-day state-level Science Fiesta II, intercollege, interschool competitions, a workshop on the theme "Communicating Science For All" and Lecture Series on 22 to 23-02 2019. • In order to create awareness among the students about the environment, a three-day program was organized from 13 to 15-09-2018 in which intercollege quiz contests on "environment and its protection", poster making, speech/PowerPoint competition seminar on "Importance and protection of ozone layer " were held. • To improve the infrastructure of the college, seminar hall, 400-meter track with playground, and renovation of boundary wall have been initiated. Many more initiatives like generator, new CCTV cameras, virtual classroom equipment, etc. were purchased which have helped in improving basic infrastructure available in the college. • Workshops, lecture series/extension lectures are held to inculcate research aptitude among the students. The teachers also assign minor projects to the undergraduate and postgraduate students who are supervised by the concerned teacher. Teachers are also encouraged to do orientation and refresher courses from time to time to update their knowledge.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	1.a) Intercollege quiz contest on "Environment and its Protection", b) Seminar on " Importance and protection of ozone layer "and Intra college Competitions.	25/07/2018	13/09/2018	15/09/2018	160
2019	2. Short term "Industrial Training" at NIPER, Mohali	30/10/2019	08/01/2019	17/01/2019	17
2019	3.a) Intercollege	23/01/2019	22/02/2019	23/02/2019	266

and Interschool Competitions during Science Fiesta on the Theme "Communicating Science for All", b) A Workshop on the theme "Communicating Science For All", c) Lecture Series (comprising of three lectures) on the theme "Communicati

2019	4. a) Workshop on "Plant Tissue Culture by Department of Botany ", b) Extension Lecture on " Essential oils and aromatherapy" by Department of Botany	23/01/2019	27/03/2019	27/03/2019	106
2019	5.a) Extension Lecture on " Man and environment" by Department of Zoology,	23/01/2019	20/03/2019	20/03/2019	120
2019	b) Extension Lecture on "Process Chemistry and Drug Development" by Department of Chemistry.	23/01/2019	29/03/2019	29/03/2019	90

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**7.1 – Institutional Values and Social Responsibilities**

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
1. Lecture on Psychological Problems of Hosteller Girls by Ms. Jyotika Judge, Research Scholar, Panjab University, Chandigarh.	20/08/2018	20/08/2018	170	0
2. Lecture on use of Shakti App-Women Security Mobile App by Constable S.Gurvinder Singh	29/01/2019	29/01/2019	80	30
3. Lecture on "Shri Guru Nanak Dev Ji veiw about condition of Women" by Dr. Sarbjot Kaur former HOD, Post graduate Dept. of Punjabi, GCG, Ludhiana during celebration of "International Women's Day"	08/03/2019	08/03/2019	160	40
4. Lecture on 'General problems of Ladies" by Dr. Manisha Maini	12/04/2019	12/04/2019	100	0

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

Percentage of power requirement of the University met by the renewable energy sources

- Plantation Drive on Van Mahotsav, Department of Botany involves the staff and students to participate with full enthusiasm in plantation drives every year for maintenance of green belts.
- The subject of Environmental Studies and Road Safety Rules is taught in B.Sc. I.
- Drive against the use of polythene bags is undertaken regularly and the entire campus has been declared as a plastic-free zone.
- Vermicomposting unit has been established in the college to provide knowledge to the graduating students about biodegradation of waste biomass and

organic farming. • The medicinal plant garden has been started up on campus this year. • Botanical gardens, plants, and lawns are maintained properly. Steps were taken for Energy conservation: • The planning of the building is such that the rooms are adequately lighted and ventilated. On bright sunny days, the rooms are very well lit. The need of switching on the tube lights is felt only during the cloudy days. Switching off of the lights and fans are taken care of while leaving the class. • The college is using LED tube lights in most of its areas and thus ensuring the conservation of electricity.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	No	2
Rest Rooms	No	2

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	0	1	12/12/2019	1	Awareness Rally on Drug De-addiction.	To create awareness about harmful effects of drugs	40
2019	0	1	13/01/2019	1	Nukkad Natak on Importance of Cleanliness	Awareness about importance of cleanliness	60
2019	0	2	19/01/2019	2	voter chetna camp	Awareness about voting rights and process	120
2019	0	1	15/09/2019	1	Seminar on " Importance and protection of ozone layer "	Awareness about Environment and its Protection	160
2019	0	2	09/01/2019	2	Cleanliness campaign near college, Gandhi Nagar	Awareness about cleanliness	50

2019	0	1	08/01/2019	1	Lecture on Dental health	Myths about dental health	70
2019	0	1	10/01/2019	1	Visit to lepers' home	To help and understand them	56
2019	0	1	12/01/2019	1	Yoga Camp	Health Issues.	60
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Prospectus	02/06/2018	It consists of guidelines for admission, information about guidelines for reservations, rules of discipline, code of conduct for students, university examination rules, societies/clubs, awards and honours, academic calendar, college activity calendar, welfare schemes and scholarships.
Hand book of Hostel Rules	02/06/2018	Important conditions/ instructions regarding hostel admission, rules for mess bill payment, important instructions regarding Hostel discipline.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
1.Pledge on Rashtrya Ekta Diwas	31/10/2018	31/10/2018	120
2.Seminar on "Gandhian Philosophy" by Dr. Shailja Verma	19/11/2018	19/11/2018	100
3.Lecture on "Life and Teachings of Shri Guru Nanak dev ji"	19/11/2018	19/11/2018	120
4.Lecture on "Shri Guru Nanak Dev Ji veiw about condition of Women" by Dr. Sarbjot Kaur	08/03/2019	08/03/2019	200

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

With the active involvement of the staff and students, we have been able to make campus clean, green, and eco-friendly. The following initiatives have been taken in this direction.

- **Water harvesting:** The campus area of the college is very large. The rainwater collected in the college building is directed towards the lawns which play a significant role in conserving water and recharging the water table naturally. No runaway water has ever been reported on our campus.
- **Efforts for carbon neutrality:** As stated earlier, more than 1800 plants are grown in the college campus at present excluding the well-maintained lawns which play a great role in neutralizing the carbon dioxide burden. In order to check the emission of CO₂, following preventive measures are strictly in operation. Burning of stubs leaves, uprooted weed is avoided, rather they are dumped for natural decay to get converted into compost. The plantation is done systematically every year.
- **Plantation:** Department of Botany in collaboration with NSS involves the staff and students to participate with full enthusiasm in plantation drives every year. Renowned personalities are requested to plant saplings in the botanical garden from time to time. Different occasions like Van Mahotsav, Earth Day, World Environment Day, Ozone day, etc. are celebrated to make the students aware of the role of plants in controlling the corrosion of the environment.
- **Hazardous waste management:** The students in the college wear lab coats while performing experiments in the Chemistry labs. The use of extremely hazardous chemicals is avoided. Students are advised to use a restricted amount of chemicals to perform experiments and the waste is disposed of carefully under the supervision of laboratory technicians and concerned teachers.
- **E-waste:** The non-functional components and other e-wastes are identified and dumped at a safer place. We follow the government regulations for disposal.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

For the complete development of the students, a number of value-based practices are carried out in the college. These practices are centered to achieve the goal of the college that is to explore the best in the students and to bring them up as excellent personalities who can transcend their counterparts elsewhere. For the holistic development of the students as well as provide them opportunities to excel in their endeavors.

- **To develop scientific skills.**
- **Women Empowerment.**

1. **To develop scientific skills.** Goal: Sanmati Govt. College of Science Education and Research, Jagraon was established in 1968 with a mission to impart quality Science Education to the semi-urban youth. To realize our mission, we have started this practice of inviting renowned personalities/scientists in the college to nurture scientific attitude in the students of the college and orienting them towards research. Context: As our college caters to the needs of the semi-urban youth, this practice was highly desired. The semi-urban youth need exposure to the outer modern global world. Feeling the need to provide them opportunities where they can get a chance to upgrade their knowledge and to inspire them by interacting with the renowned personalities from the prestigious institutions, this practice was initiated under the able guidance of the director. This practice facilitates their academic growth and acquaints them with the latest concepts. Practice: Eminent scientists are invited to the institute to deliver lectures based upon their field of research in addition to general advanced topics by Deptt. of Chemistry, Deptt. of Botany, Deptt. of Physics and Deptt. of Zoology. Scientists from different fields were invited to the college during various programs like, workshops, science fiesta, seminars, and extension lectures who enlighten the students with their knowledge and experience. This helps in

enriching their knowledge and create interest in their mind for the subject. The scientists also help the students and faculty members to understand recent developments in the field of science and clear doubts leading to clarity of the subject. The students are also taken to research institutes for practical demonstrations and to expose them to the variety of techniques being used in these institutes. During this session, students got the opportunity to meet the number of scientists, to name a few, Dr. Davinder Mehta, Professor, Department of Physics, Panjab University, Chandigarh Dr. S.S. Marwaha, Chairman, Panjab Pollution Control Board, Patiala Dr. Charanjit Singh, Deputy Director, Panjab Pollution Control Board, Patiala Prof. Susheel Mittal, Senior Professor, Department of Chemistry Biochemistry, Thapar University, Patiala Dr. Rajeev Kumar Sharma, Assistant Professor of Physics, Punjab Agricultural University, Ludhiana Dr. Archana Chauhan, Assistant Professor, Department Of Zoology, Panjab University, Chandigarh Dr. Jaswinder Singh, Lecturer in Physics, National Awardee Shiksha Ratan Dr. S. S. Hundal, Professor, and Head, Department of Zoology, Panjab Agricultural University, Ludhiana Dr. Manjinder Singh, Assistant Professor, Dept. of Pharmaceutical Technology, (Process Chem.) NIPER, Mohali Dr. Richa Puri, Professor, Department of Botany, Panjab University, Chandigarh Prof. B.S. Sidhu, Ex. HOD, Department of Physics, S. Govt. College of Science Education and Research, The interdisciplinary approach to be adopted by all departments. Our college organizes the A) two-day mega event Science Fiesta every year comprising of intercollege and interschool competitions, quizzes, workshops, Popular Lecture Series for school and college students. The aim of organizing these programs is to spread awareness about the role of science and technology in today's world and to inculcate scientific aptitude among young students. .i) A workshop on the theme "COMMUNICATING SCIENCE FOR ALL" was organized on February 22, 2019, during the first session of SCIENCE FIESTA-II. Dr. Jaswinder Singh, Lecturer in Physics, (National awardee by DST and State awardee) and Prof. B.S. Sidhu, Ex HOD, Department of Physics, S. Govt. College of Science Education and Research was the Resource persons. ii)Competitions were held during Science Fiesta-II ? Essay Writing on the topic "Science Technology" ? Poster presentation (pre-prepared)on the topic "Science Technology" ? Rangoli making on the topic "Renewable Energy" ? Speech Competition on the topic : 1. Artificial Intelligence 2. Effective communication for better life iii) One-day popular lecture series was organized on the theme " COMMUNICATING SCIENCE FOR ALL" on February 23, 2019, under the aegis of DBT a)Dr. Susheel Mittal, Senior Professor, School of Chemistry and Biochemistry, Thapar Institute of Engineering Technology, Patiala, delivered a lecture on "Crop Residue Burning And School Children Health". b) Dr. Archana Chauhan, Assistant Professor, Department of Zoology, Panjab University, Chandigarh spoke on "Biodiversity and E-DNA". c) Dr. Rajeev Kumar, Department of Physics, Punjab Agriculture University, Ludhiana spoke on "My Sterious Universe- Macro and Microscopic View". B) The college organized a program on the topic "Protection of Environment Ozone Layer" from September 13-15, 2018, sponsored by Punjab Pollution Control Board, Patiala. i)On 13th September 2018, intercollege quiz contest on the topic, "Environment and its protection" was conducted by the college and sponsored by PPCB. On ii) 14th September 2018 poster presentation was held on the topics "Biodiversity" and "Human population and Environment." Speech and PPT competitions were held on the topic "Ozone depletion" and "Global warming" iii) 15th September 2018 One day Seminar was conducted on" Environment and protection of Ozone Layer". Dr. Davinder Mehta, Professor Dept. of Physics, Panjab University, Chandigarh delivered a talk on "The importance and protection of ozone layer." Then, Dr. S.S. Marwaha, Chairman PPCB was the chief guest who also gives a talk on "Environment and its Protection." and presided over the function. C) Dr.Richa Puri, Professor, Department of Botany, Panjab University, Chandigarh conducted a workshop cum Hands-on Training on "Plant Tissue Culture" on March 27, 2019, which was attended by 106 students and faculty. And she also delivered a talk to students

on "Essential oils and aromatherapy." v)Dr. S. S. Hundal, Professor, and Head, Deptt. of Zoology, Panjab Agricultural University, Ludhiana delivered a lecture on "Man and environment" on March 20, 2019. vi)Dr. Manjinder Singh, Associate Prof., Deptt. of Pharmaceutical Technology, (Process Chem.) NIPER, Mohali give a lecture on "Process Chemistry and Drug Development" on March 29, 2019

Evidence of success: The interest of the students in the subject increased after interaction with the visiting scientists and research institutes. But after such an interaction with the renowned personalities, they were motivated and encouraged and the number of them joined postgraduate courses. The problem encountered and resources required: Being a government institute, it is managed by grants from different funding agencies like DBT, UGC, and state council for carrying out such activities in the college. PTA fund is also used in case of shortage of funds. 2.Women empowerment: Our college has always provided a safe and congenial atmosphere for girl students. We have more girl students than boys in college. Every effort is made to encourage and empower them by the college staff. Goals: • To make them aware of their rights and identity. • To prepare them for facing the challenges of life. • To eradicate the evils from the society like female foeticide, dowry system. • To address their problems by providing counseling. Context: The majority of the girls belong to semi-urban middle-class families who still believe in the submissiveness of women. It becomes our responsibility to develop confidence in them and to prepare them for changing this attitude in everyday life. Practice: Women forum has been established in the college with the aim of empowering students and teachers. Lectures by dignitaries and other competitions are organized to make them aware of issues related to them. To accomplish this purpose Poster making, Speech competition, etc are organized to create awareness. Lectures by renowned personalities and director also encourage them to rise in life. The international women's day was celebrated in the college in which renowned female personalities were invited to motivate the students to rise in life. On this occasion, Dr. Sarbjot Kaur former HOD, Postgraduate Dept. of Punjabi, GCG, Ludhiana. (motivational speaker) delivered a talk to the students. Ms. Jyotika Judge, Research Scholar, Panjab University, Chandigarh. Lecture on use of Shakti App-Women Security Mobile App by S.Gurvinder Singh Sexual harassment prevention cell: The college has also established a Sexual harassment prevention cells to provide a safe and healthy environment to the girls students and female teachers. Till date , no case has been reported to this cell. Evidence of success: The girl students became aware of their legal rights and were motivated to achieve higher aims in life. The students who felt shy during interactions were encouraged to become bold and active after these kinds of programs. They discussed their problems and issues with the female members of the women forum and were provided with all the necessary guidance. The problem encountered and resources required: Funds are managed by making collection from the students of the forum the expenditure is borne by this fundraised from students. The PTA fund was used to organize such programs for the upliftment of the girl students of the college.

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

<http://gscjgn.org/best-practices/>

7.3 – Institutional Distinctiveness

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

Our college has a vision: •To impart high-quality education in science to produce professionals of national and international repute The college has undertaken the following steps to achieve this vision: • Recipient of the Star College Award, our college has received grants for 9 consecutive years from DBT

to Upgrade infrastructure, promote scientific temper, research culture, and aptitude among students, institute organizes. • Workshops: Two workshops were organized during the sessions to provide hands-on training to the students given below: • Interdisciplinary approach to be adopted by all departments. Our college organizes the two-day mega event Science Fiesta every year comprising of intercollege and interschool competitions like Essay Writing, Poster presentation (pre-prepared), Rangoli making Speech Competition, workshop and Popular Lecture Series for school and college students on 2223-02-2019. The aim of organizing these programs is to spread awareness about role of science and technology in today's world and to inculcate scientific aptitude among young students. • College organized a program on the topic "Protection of Environment Ozone Layer" from September 13-15, 2018, sponsored by PPCB, Patiala. On 13th September 2018, intercollege quiz contest, on 14th September 2018 poster presentation, Speech/PPT competitions were held. On 15th September 2018, one-day Seminar was conducted. Dr. Davinder Mehta, Professor, Dept. of Physics, Panjab University, Chandigarh delivered a talk on "The importance and protection of ozone layer." Then, Dr. S.S. Marwaha, Chairman PPCB was the chief guest who also gives a talk on "Environment and its Protection." and presided over the function. • Minor research projects are allotted to students by all the departments to inculcate research aptitude in them and the college aims to continue its distinctive endeavors in this direction to achieve in some research and its applications in diverse fields of relevance and social utility. • Students are taken to research Labs/Universities to interact with research scholars and to expose them to the nature of the research being carried in these labs. During this session, students were taken to G.N.D.University, Amritsar, Pushpa Gujral, Science City, Kapurthala, Deptt. of Chemistry Biochemistry Panjab University, Chandigarh. • Teachers of Botany Department organize field trips to study the flora and fauna of different habitat and Department of Zoology took students to Chhatbir Zoo to show them the variety of animals in their natural habitat. • Students are provided industrial training: 17 Students of M.Sc. Chemistry along with one Assistant Professor Ms. Sonia Sharma attended 10 Days industrial training from January 8, 2019, to January 17, 2019, at NIPER, Mohali. • Students are encouraged to conduct departmental level seminars for enhancing their analytical skills. • Laboratories are well equipped with sophisticated and latest instruments

Provide the weblink of the institution

<http://gscjgn.org/wp-content/uploads/2020/06/Institutional-DistinctivenessDocument.pdf>

8.Future Plans of Actions for Next Academic Year

- To organize intercollege and interschool competitions in the form of Science Fiesta
- To apply for infrastructural grants to the Government of Punjab for the completion of incomplete buildings.
- To undertake educational tours and invite eminent scientists for extension lectures.
- To hold workshops /lecture series for students/ community
- Faculty will be encouraged to apply for financial assistance from the outsources for organizing Seminars/ Conferences/ Workshops and research projects.
- To make the campus more "Divyangan" friendly, plans for the erection of dedicated washrooms and ramps have been initiated.
- To start summer training for school and college students to give them exposure to and practical knowledge.
- To encourage all departments to make educational excursions during the mid-semester break to augment learning, gathering field data, and developing research methodology skills. A report has to be submitted by all departments mentioning the learning outcomes and research findings and award the best report submitted by a department/student to encourage and motivates the students for increased participation.
- A website committee will be created to upload all contents on the college website.
- To promote the use of solar energy in the college through the installation of solar panels.
- Faculty will be

encouraged to attend the refresher course, orientation program, short Term course, Faculty development Programmes during the year, or do online. • All HOD of departments plan their activities for the semester in advance and submit the tentative dates to the office along with details of the theme and resource persons. A notification for all events to be held in the college will be published on the website at least a week advance to ensure better publicity. A small report of all conducted activities has to be sent to the office along with some pictures of the event to be uploaded on the college website. • To encourage students/faculty for internship /research/training. • To start more Capability enhancement and development schemes like remedial coaching, Language lab, Yoga meditation, Personal Counseling, and Mentoring, etc. • More and more lectures to be organized for competitive examinations and career counseling. • The college will establish MoU with reputed industries to enhance Industry-Institute Interaction activities like Industrial visits, hands-on training, and guest lectures. • To organize professional development/administrative training programs for teaching and non-teaching staff. • To hold more social outreach programs to be initiated in collaboration with industry/ community /non-Government organizations through NSS//Red Cross etc. during the year. • To conduct more activities for the promotion of Universal values and ethics. • To start activities that are productive academically, culturally, and socially. • To celebrate different important days on campus to create awareness among the students. • To make campus green and highly eco-friendly.