



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		SHAHEED RAJGURU COLLEGE OF APPLIED SCIENCES FOR WOMEN
Name of the head of the Institution		Dr. Payal Mago
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		01122623503
Mobile no.		8800672660
Registered Email		principal@rajguru.du.ac.in
Alternate Email		iqac@rajguru.du.ac.in
Address		Vasundhara Enclave, Delhi - 110096
City/Town		Delhi
State/UT		Delhi
Pincode		110096

<b>2. Institutional Status</b>	
Affiliated / Constituent	Constituent
Type of Institution	Women
Location	Urban
Financial Status	state
Name of the IQAC co-ordinator/Director	Ms. Venika Gupta
Phone no/Alternate Phone no.	01122623503
Mobile no.	9953469945
Registered Email	principal@rajguru.du.ac.in
Alternate Email	iqac@rajguru.du.ac.in

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="http://www.rajgurucollege.com/images/pdf/AQAR%202017-18.pdf">http://www.rajgurucollege.com/images/pdf/AQAR%202017-18.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://www.rajgurucollege.com/images/pdf/Academic Calendar 2018-2019.pdf">http://www.rajgurucollege.com/images/pdf/Academic Calendar 2018-2019.pdf</a>

<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.11	2015	15-Nov-2015	14-Nov-2020

<b>6. Date of Establishment of IQAC</b>	06-Jun-2016
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<b>7. Internal Quality Assurance System</b>
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Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

Regular meetings of the IQAC	28-Feb-2019 1	13
Regular meetings of the IQAC	31-May-2019 1	10
Regular meetings of the IQAC	05-Dec-2019 1	13
Timely submission of AQAR to NAAC	29-Dec-2018 1	15
Feedback from students	01-Feb-2019 25	595
Feedback from Employees	07-Jun-2019 30	31
Feedback from Alumni	27-Aug-2019 76	263
Feedback from Parents	21-Aug-2018 210	180
Internal Academic audit	31-May-2019 365	1500
Internal Environmental audit	16-Aug-2019 365	1600
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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
Shaheed Rajguru College of Applied Sciences for Women	Grant in Aid to Salary	Government of NCT of Delhi	2018 365	149300000
Shaheed Rajguru College of Applied Sciences for Women	Grant in - Aid to other than salary	Government of NCT of Delhi	2018 365	5500000
Shaheed Rajguru College of Applied Sciences for Women	Grant in - Aid to capital assets	Government of NCT of Delhi	2018 365	4040641
Shaheed Rajguru College of Applied Sciences for Women	DST/ECR/SERB	Science & Technology, Govt. of India	2018 365	472030
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<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	3
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No
<b>12. Significant contributions made by IQAC during the current year(maximum five bullets)</b>	
Faculty exchange program under Erasmus Project No. 2017 - 1- CZ01 - K107 - 034877 along with Silesian University, Faculty of Philosophy and Science in Opava, Czech Republic was concluded successfully.	
The college website is being up-graded regularly and various forms for the staff and students have been up-loaded on the college website.	
Periodic seminars, workshops, faculty development programs were organized for the faculty and students. The college also has an Incubation centre for entrepreneurship.	
The college participated in NIRF 2019 ranking, and was placed at position 31 in the College ranking category. The college participates in All India Survey on Higher Education(AISHE), under Ministry of Human Resource Development every year.	
Academic and Environment Audit of the college was conducted. This included an exhaustive analysis of students' results for the last 3 academic years. The audit also has a detailed report about the instruments/ equipments available in college for the students. The college directory is up-dated, giving all necessary information about the employees of the college.	
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<b>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</b>	
Plan of Action	Achivements/Outcomes
To make students well equipped with latest developments in the field of	Workshops and seminars on various topics both technical and personality

study through invited lecture and workshops.	development were organized on a regular basis. Guest speakers from prominent institutes and organisations were invited.
To organize various competitions such as quiz, debate etc, for grooming overall personalities of the students.	Technical fests were organised by each department. Through-out the year quiz , and competitive activities were organised
Participations of students in different seminars and workshops.	Skill enhancement workshops and short term courses were organised.
To choose skill enhancement and discipline specific courses relevant to industrial applications.	Internships and industrial visits were organised
To organize camp for social outdoor activities.	A proactive NSS organised various camps like Eye Checkup, Health checkup etc.
Plan to upload assignments on the website and make a provision of online submission of the same.	The college website was made dynamic with students being assigned a login id.
A pro-active placement cell.	Collaborations and linkages with industries and institutes were established.
To propagate stronger interaction with alumni.	Alumni feedback was analysed and talks were organised by the alumni of the college.
Interaction with parents to be increased.	Parents of students were invited for Orientation and Annual day.
Collaboration with industries/research institutions.	Large numbers of activities like visits to research institutes, seminars and lectures by scientists and industry experts were organised through out the year
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<b>14. Whether AQAR was placed before statutory body ?</b>	Yes
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Name of Statutory Body	Meeting Date
Governing Body of the College	02-Dec-2019

<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	No
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<b>16. Whether institutional data submitted to AISHE:</b>	Yes
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Year of Submission	2019
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Date of Submission	15-May-2019
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<p><b>17. Does the Institution have Management Information System ?</b></p>	<p>Yes</p>
<p>If yes, give a brief description and a list of modules currently operational (maximum 500 words)</p>	<p>Establishing MIS in the College, the college has setup local area network along with three servers for Administration, Accounts and Library. The servers consist of standard hardware 1.4 GHz 64bit processor, Compatible with x64 instruction set, Supports NX and DEP, Supports CMPXCHG16b, LAHF/SAHF, and PrefetchW, Supports Second Level Address Translation (EPT or NPT, 512 MB (2 GB for Server with Desktop Experience installation option), ECC (Error Correcting Code) with An Ethernet adapter capable of at least gigabit throughput, Compliant with the PCI Express architecture. The server with Windows OS is connected with the router and switches that further connect all other computers on the network. The server is accessible throughout the campus on login identification and has the capacity of the 32 GB of hard disk (each). The data has been kept securely in the administrative server and account server. In the year 2010 fibre connecting line was installed under the NKN (National Knowledge Network) with the speed of up to 100 Mbps, which is connected to WiFi network and makes the college campus and hostel WiFi enabled, an initiative of University of Delhi. The main servers of the college are also attached along with this connectivity. In administration the data are stored in the form of document and excel file, separate directory has been created for each year along with its subdirectory concerned with the different headings i.e. Meeting, staff member Teaching and Nonteaching, budget allocation, official notes, notice, Time Table and memorandum etc. Major forms had also been uploaded in the online mode. Besides this the students' attendance, Question paper, Syllabus, RTI queries, Staff directory also linked with the college website. Students' records, attendance, result analysis etc. are also maintained in the MIS. In accounts, an inhouse system has been developed by the College accounts department. The system is efficient enough to handle the day to</p>

day requirement of the account. Like budget allocation, expenditure, staff salary, GPF and Income Tax calculation, Reports generation etc. The system has developed in MSAccess in WINDOWS platform. The library has the integrated system, library is RFID (Radio Frequency Identification system) enabled, which is being used for library housekeeping operation, the MIS system in the library provides Dynamically view graphical reports using realtime library data, drag and drop reporting, save and share queries with other staff, export results to Excel and PDF, use advanced filtering features to report for specific information. Beside this the library system also performed, View information alerts and realtime reminders, Secure access to resources according to user profiles and privileges matching subject requirement, per day issue statistics, yearly circulation statistics, Overdue books, Easy stock report generation through PDA.

## 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 academic cum activity calendar is designed at the beginning of the academic year in the staff council. All major activities, both cultural and co-curricular, to be held in the academic year are identified, scheduled in the calendar, and pertinent committees formed. There are three critical components to the teaching learning process, namely content writing, content delivery and engaging the students to complete the course. Choice based Credit System, started in 2015 by the University of Delhi, offers opportunities to provide solid foundation in the core discipline, while allowing freedom to students to select discipline specific courses that augment the learning in core courses. The curriculum as designed by the university is based on credit hours system. For each core and general elective papers 4 hours per week are dedicated and in addition to that tutorials are scheduled depending on the size of the class. For every skill enhancement papers, 2 hours of theory classes along with 4 hours of practical classes are scheduled. Faculty members then prepare lesson plan for each lecture and take extra-lectures to cover the whole curriculum within the duration of the semester. Each department, in their departmental meetings identify the skill enhancement courses, discipline specific papers and the generic papers offered to the students. The process for generic selection by students from the large heap of options available is elaborate and well documented. Students are given the freedom to change their generic options later too. In addition to the planned lectures, the departments at the beginning of every semester prepare a calendar for the academic and extracurricular activities. For each of these activities/events a notice is

drafted, signed by the appropriate authorities and is then circulated through college website and department's notice board. The faculty aims to complete the prescribed syllabus well ahead of time, so that there is enough time left for revision classes. In addition to the chalk and board method of teaching, diagrams or additional material is shown as slides. Power point presentations or videos are also used. Students are divided into small groups to encourage teamwork, healthy competition and to be able to complete the task in stipulated time frames. Students are taken for visits to research institutions as well as industries in the form of simple visits or internships or educational tours for maximum benefit. In addition, students are encouraged to clarify their doubts at all times and special attention is given to slow learners so that they are not lagging behind. Doubt and revision classes are held to prepare the students for the exams. They are made to practice previous year question papers available on the DU website. The program aims to impart disciplinary knowledge and research skills to the students. Apart from the academic attributes, it also aims to create a scientific temper and a sense of inquiry among the students while also making them digitally literate and ethically aware. Most importantly, the students are aimed at having a sense of lifelong learning

#### 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
German Certification (A1 Level)	None	14/09/2018	120	This is an elementary level course which prepares students for upper level courses of the German language. This broadens the spectrum of Studying abroad, business prospective and Career options.	Enable students to read, write and speak German. This will help student get the A1 certification from German Embassy, which is required for Visa purposes for Students and scholars.
Urdu Certification (A1 Level)	None	24/08/2018	365	This is an elementary course for NonUrdu knowing adults. This course helps students with basic understanding and use of this language.	Enable students to read, write and speak in Urdu. Learning a second language broadens skill set of students.

#### 1.2 – Academic Flexibility



1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
<b>No Data Entered/Not Applicable !!!</b>		
<b>No file uploaded.</b>		

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
<b>No Data Entered/Not Applicable !!!</b>		

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

	Certificate	Diploma Course
Number of Students	47	10

**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
Batch I, German Certification (A1 Level)	14/09/2018	24
Batch I, Urdu certification course (All Outsiders)	24/08/2018	23
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BSc	Biochemistry	30
BSc	Biomedical Science	3
BSc	Chemistry	10
BSc	Electronics	3
BSc	Food Technology	33
BSc	Instrumentation	1
BSc	Microbiology	19
BSc	Mathematics	8
BMS	Bachelor of Management Studies	41
BBA	Bachelor of Business Administration (Financial Investment Analysis)	35
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**1.4 – Feedback System**

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes

Employers	Yes
Alumni	Yes
Parents	Yes

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

#### Feedback Obtained

Feedback is one of the significant factors for overall development of the institution or a department in particular. In view of this, the college has designed an elaborate system to collect and analyze the feedback from all participants of the institute. The feedback from the students is associated with the infrastructure, administration, library, and faculty. A student satisfaction survey too is carried out. Appropriate forms are meticulously designed to identify regions for improvement. The student feedback is collected twice in a year. The entire information is collected, processed and statistically analyzed. The scope for improvement is identified and the appropriate committee/ person/ authority are then apprised of the feedback and corrective steps, if needed, applied. The faculty feedback is analysed for each faculty paperwise. Each faculty is apprised of their student feedback. The faculty members analyze and discuss these feedbacks during the departmental meeting. The faculty members take steps to incorporate these feedbacks within their capacity and the facilities available in the Department. Feedback from employees provides scope for improvement in the work environment of the institute. Suggestion boxes as well as feedback forms, both in softcopy and hardcopy, are available for the employees. Here too the data is analysed and appropriate action undertaken. The alumni feedback and parent feedback gives insight into the perception of the college. This has provided the institute with foresight and upgradation.

## 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
BSc	Biochemistry	36	395	32
BSc	Biomedical Science	36	548	38
BSc	Chemistry	36	611	34
BSc	Computer Science	51	562	56
BSc	Electronics	36	317	31
BSc	Food Technology	36	486	40
BSc	Instrumentation	36	185	32
BSc	Mathematics	51	596	56
BSc	Microbiology	36	596	41
BSc	Physics	51	457	43
BSc	Statistics	51	288	57
BBA	Bachelor of Business Administration(Financ	51	181	47

	ial Investment Analysis)			
BMS	Bachelor of Management Studies	51	188	50
BA	Psychology	51	560	49
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## 2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1473	0	83	0	83

## 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
83	80	28	28	15	50

[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)

Yes, Our college is a part of The University of Delhi, which is one of the premier central universities of the country. Students hail from various parts of the Indian subcontinent and beyond. It is our policy to entertain the hopes and aspirations of these varied students irrespective of caste, religion and financial background. Many of our students from rural areas lack proper academic background and financial backup. To render equitable service to all our students having varied background, mentoring becomes an essential feature. The departmental practice of mentoring system is student centric and renders equitable service to students of varied academic financial backgrounds. Every student is assigned a faculty member as their mentor. The purpose of the student mentoring system is to enable students to resolve any academic as well as nonacademic issues they might be facing. These issues include problems in academics, hostel accommodation, financial, health and family issues etc. The students are encouraged to discuss their issues with the mentor. The system ensures physical and mental wellbeing of the students. The students are divided in group of 12-20 and one teacher is assigned as the mentor for each group. The teacher guides the students regarding academic issues, personal issues, career counselling, overall personality development any other issue that the student is interested to discuss. The mentor helps the newcomers especially in settling in the institution and also plays an important role in solving their academic and personal problems. Mentors meet their mentees on regular basis to discuss their needs and the support required. A register is maintained by each mentor wherein details of interactions and their outcome are recorded. Further, all mentors and the Teacher incharge meet quarterly to update and share the progress of the students as well as to discuss issues, if any. The mentors regularly meet their mentees and discuss their progress and developmental prospects. Faculty members are available in the college the entire day, providing a good platform for students to interact with their mentors as and when they want. Also, the students with short attendance are encouraged by their mentors to be more regular to college and participate and involve themselves in college/departmental activities. The mentor's present innovative solutions to each student depending on her developmental needs.

Number of students enrolled in the

Number of fulltime teachers

Mentor : Mentee Ratio

institution		
1483	83	1:17

## 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
114	83	93	62	45

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Ms. Ankita Mishra	Assistant Professor	Junior Research Fellowship by UGC
2019	Ms. Venika Gupta	Associate Professor	Bharat Jyoti Award for Meritorious Services
2019	Ms. Preeti Singhal	Associate Professor	Erasmus, Silesian University in Opava, Czech Republic
2019	Ms. Venika Gupta	Associate Professor	Erasmus, Silesian University in Opava, Czech Republic
2019	Ms. Venika Gupta	Associate Professor	Meritorious Teacher Award (Government of NCT of Delhi.)

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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
BSc	553	4/2	23/05/2019	03/07/2019
BSc	553	2/1	24/05/2019	06/07/2019
BSc	557	1/1	13/12/2018	29/01/2019
BSc	557	3/2	15/12/2018	25/01/2019
BSc	557	5/3	12/12/2018	19/01/2019
BSc	557	2/1	24/05/2019	02/07/2019
BSc	557	4/2	23/05/2019	02/07/2019
BSc	557	6/3	23/05/2019	02/07/2019
BSc	570	1/1	13/12/2018	29/01/2019

BSc	570	3/2	15/12/2018	25/01/2019
BSc	570	5/3	12/12/2018	19/01/2019
BSc	570	2/1	24/05/2019	02/07/2019
BSc	570	4/2	23/05/2019	02/07/2019
BSc	570	6/3	21/05/2019	28/06/2019
BSc	558	5/3	12/12/2018	19/01/2019
BSc	558	3/2	15/12/2018	25/01/2019
BSc	558	1/1	13/12/2018	20/01/2019
BSc	558	6/3	21/05/2019	28/06/2019
BSc	558	4/2	23/05/2019	02/07/2019
BSc	558	2/1	24/05/2019	03/07/2019
BSc	559	5/3	12/12/2018	19/01/2019
BSc	559	3/2	15/12/2018	25/01/2019
BSc	559	1/1	13/12/2018	29/01/2019
BSc	559	6/3	21/05/2019	28/06/2019
BSc	559	4/2	23/05/2019	02/07/2019
BSc	559	2/1	22/05/2019	02/07/2019
BSc	562	1/1	13/12/2018	20/01/2019
BSc	562	2/1	24/05/2019	03/06/2019
BSc	562	3/2	15/12/2018	25/01/2019
BSc	562	4/2	23/05/2019	02/07/2019
BSc	562	5/3	12/12/2018	19/01/2019
BSc	562	6/3	21/05/2019	28/06/2019
BSc	563	1/1	13/12/2018	29/01/2019
BSc	563	3/2	15/12/2018	25/01/2019
BSc	563	5/3	12/12/2018	19/01/2019
BSc	563	2/1	24/05/2019	02/07/2019
BSc	563	4/2	23/05/2019	02/07/2019
BSc	563	6/3	21/05/2019	28/06/2019
BSc	564	1/1	13/12/2018	29/01/2019
BSc	564	2/1	24/05/2019	02/07/2019
BSc	564	3/2	15/12/2018	25/01/2019
BSc	564	4/2	23/05/2019	02/07/2019
BSc	568	4/2	23/05/2019	02/07/2019
BSc	568	3/2	12/12/2018	25/01/2019
BSc	568	2/1	24/05/2019	03/07/2019
BSc	568	1/1	13/12/2018	15/01/2019
BA	528	1/1	13/12/2018	29/01/2019
BA	528	2/1	20/05/2019	02/07/2019
BA	528	3/2	14/12/2018	25/01/2019

BA	528	4/2	22/05/2019	02/07/2019
BBA	BBW35	4/2	22/05/2019	02/07/2019
BBA	BBW35	2/1	20/05/2019	02/07/2019
BBA	BBW35	3/2	14/12/2018	28/01/2018
BBA	BBW35	1/1	13/12/2018	28/01/2019
BMS	BMS90	4/2	22/05/2019	02/07/2019
BMS	BMS90	2/1	23/05/2019	02/07/2019
BMS	BMS90	3/2	14/12/2018	28/01/2019
BMS	BMS90	1/1	13/12/2018	28/01/2019
BSc	567	1/1	13/12/2018	24/01/2019
BSc	567	2/1	24/05/2019	01/07/2019
BSc	567	3/2	15/12/2018	24/01/2019
BSc	567	4/2	23/05/2019	01/07/2019
BSc	567	5/3	12/12/2018	24/01/2019
BSc	567	6/3	21/05/2019	01/07/2019

[View File](#)

#### 2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The college follows the modalities of Continuous Internal Evaluation (CIE) as prescribed by the university of Delhi. As per the guidelines of University of Delhi, under the Choice Based Credit System (CBCS), internal assessment for theory papers is for 25 marks. Over the years there have been several changes in the mode of evaluation. These are: o Extensive Assignments given to students. o Presentation on advanced topics. o Quiz and Surprise Test Paper(s) o Inclusion of mini projects apart from guidelines. o Group discussion. This system helps students, both slow and advanced learners, to keep a check on their progress midcourse, so that they can work towards improvement. For theory papers it has been kept in mind that it should not only test the knowledge base of the students but also foster creativity and outofthebox thinking. Evaluation in a continuous mode provides an opportunity to relook at and modify teaching strategies if the students are not performing well. The practical too has a continuous evaluation component. The practical performance of the student is evaluated over the entire semester. To maintain transparency, final compiled list of internal assessment marks is displayed to the students before passing onto the University examination board.

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

The academic calendar is designed before the beginning of the academic session. Besides examination and course work duration all major activities are marked in the calendar. The college adheres to the prepared schedule.

### 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://www.du.ac.in/du/index.php?page=cbs-syllabus>

#### 2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students	Number of students passed	Pass Percentage
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			appeared in the final year examination	in final year examination	
570	BSc	Computer Science	50	50	100
558	BSc	Electronics	34	34	100
558	BSc	Electronics	36	32	88.88
558	BSc	Electronics	44	41	93.18
559	BSc	Food Technology	37	37	100
559	BSc	Food Technology	25	25	100
559	BSc	Food Technology	51	51	100
562	BSc	Instrumentat ion	29	28	96.55
562	BSc	Instrumentat ion	37	37	100
562	BSc	Instrumentat ion	25	25	100
563	BSc	Mathematics	51	51	100
563	BSc	Mathematics	47	46	97.8
563	BSc	Mathematics	51	50	98.04
564	BSc	Microbiology	34	34	100
564	BSc	Microbiology	31	31	100
553	BSc	Biochemistry	32	32	100
553	BSc	Biochemistry	41	41	100
554	BSc	Biomedical Science	39	39	100
554	BSc	Biomedical Science	31	31	100
554	BSc	Biomedical Science	24	24	100
557	BSc	Chemistry	35	35	100
557	BSc	Chemistry	41	38	92.6
557	BSc	Chemistry	30	29	96.6
570	BSc	Computer Science	38	37	97.36
570	BSc	Computer Science	50	49	98
567	BSc	Physics	42	38	90.47
567	BSc	Physics	58	56	96.55
567	BSc	Physics	49	47	95.91
568	BSc	Statistics	40	40	100

568	BSc	Statistics	47	47	100
BBW 35	BBA	Bachelor of Business Administration (Financial Investment Analysis)	42	41	97.62
BBW 35	BBA	Bachelor of Business Administration (Financial Investment Analysis)	46	43	93.48
BMS 90	BMS	Bachelor of Management Studies	46	46	100
BMS 90	BMS	Bachelor of Management Studies	44	42	95.45
528	BA	Psychology	57	57	100
528	BA	Psychology	57	56	98.24
<a href="#">View File</a>					

## 2.7 – Student Satisfaction Survey

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

[https://www.rajgurucollege.com/images/pdf/Student\\_satisfaction\\_survey2019\\_analysis.pdf](https://www.rajgurucollege.com/images/pdf/Student_satisfaction_survey2019_analysis.pdf)

## 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
Major Projects	1095	SERB	2860990	472030

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### 3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Seminar on: Career in Global Opportunities	Department of Management and Financial Studies	08/01/2019
Workshop on Dance Movement Therapy	Department of Psychology	23/01/2019
Seminar on Nanotechnology and its application in Life Sciences by Prof. Shatendra K. Sharma	Department of Microbiology	06/02/2019



Lecture Series on "Artificial Intelligence and Robotics	Instrumentation Department	06/02/2019
Lecture on Success Formula in Life delivered by Prof. Suresh Bhalla and Mr. Asit Nema.	Electronics Department	07/02/2019
'Intellectual Property Rights Kaleidoscope of Opportunities'	Computer Department	08/02/2019
Talk on innovation and entrepreneurship in modern era	Biomedical science	12/02/2019
Workshop on IOT	Electronics Department	12/02/2019
Seminar on Data Science	Computer Science	27/02/2019
Summer internship workshop : Analytical Instrumentation, Food Processing and Life Science Techniques	Instrumentation: Food Technology: Microbiology	04/06/2018
Internet of things	Computer Science	10/08/2018
Big data on Different platform	Computer Science	14/08/2018
"IPR An alternative centre for science graduates.	Department for Biochemistry	28/08/2018
"Internship / Scholarship and Open Source Development opportunities for women in technology	Computer Science	29/08/2018
Hands on workshop on Android with Firebase	Computer Science	29/08/2018
Workshop on Psychodrama by Ms. Jyoti Bernard	Department of Psychology	20/08/2018
Potential for Actuarial Science and Data Science	Department of Statistics	07/09/2018
Genetic counselling by Alumni Ms. Kanika Bansal	Dept of Biomedical Science	10/09/2018
Relevance of Psychology in Victimology	Department of Psychology	12/09/2018
FDP on Capitaline Plus and Financial Shenanigans organized by Department of Management and Financial Studies, SRCASW, DU	Department of Management and Financial Studies	15/09/2018
Talk By Dr. Shiv Kumar Kaushik	Department of Mathematics	17/09/2018
A talk on Corporate Restructuring	Department of Management and Financial Studies	28/09/2018

"Internet of Things"	Computer Science	08/10/2018
"Social Media"	Computer Science	12/10/2018
Recent trends in VLSI technology and layout design".	Instrumentation Department	12/10/2018
Handson workshop on "Android Programming with Firebase"	Computer Science	22/10/2018
Talk on Food Safety and Food Borne Microorganisms by Dr. Neetu Kumra Taneja	Department of Microbiology	23/10/2018
Seminar on Vedic Maths	Department of Management and Financial Studies	07/01/2019
Introduction to M.Sc courses in virology, immunology Genomics and their career prospects	Department of Biochemistry	06/03/2019
Handson workshop on "Open Source and Git"	Computer Science	12/03/2019
A two day workshop on "Mathematica"	Mathematics Department	12/03/2019
Mathematics in Machine Learning	Mathematics Department	27/03/2019
3Day National Workshop on Alternative Methods to Animal Testing	Biomedical Science	27/03/2019
Understanding the Basics of Body Language by Ms. Aastha Alhuwalia	Department of Psychology	27/03/2019
Technical handson Session"Cloud Study Jam"	Computer Science	02/04/2019
Talk on Film Making	Department of Management and Financial Studies	31/10/2018
Depression: Lets get to know about it	Department of Psychology	10/10/2018
World Heart Day	Food Technology	28/09/2018

### 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
Apka Chikitsak	Hunar Batra, Shweta Lalit, Shreya Lalit, Aayushi Gangwani (National Finalist)	Smart India Hackathon, MHRD	03/03/2019	Healthcare
Drelief	Hunar Batra (24 under 24 Leaders and innovators)	Mars Generation	20/04/2019	STEAM and Space awards

[View File](#)

### 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
<b>No Data Entered/Not Applicable !!!</b>					
No file uploaded.					

### 3.3 – Research Publications and Awards

#### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
<b>1</b>	<b>0</b>	<b>0</b>

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

Name of the Department	Number of PhD's Awarded
<b>0</b>	<b>0</b>

#### 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	Chemistry	1	0.80
National	Psychology	1	0
International	Biomedical Science	6	0
International	Chemistry	11	3.40
International	Computer Science	1	0.50
International	Electronics	4	5.60
International	Food Technology	9	4.25
International	Instrumentation	4	3.60
International	Mathematics	2	0.78
International	Psychology	4	2.5

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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
Biomedical Science	1
Electronics	3
Instrumentation	3
Psychology	2

[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
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Effect of low energy (keV) ion irradiation on structural, optical and morphological properties of SnO <sub>2</sub> -TiO <sub>2</sub> nano composite thin films.	V.Kumar, Manoj Kumar Jaiswal, R. Gupta, Jagjeevan Ram, Indra Sulania, S. Ojha, Xin Sun, R. Kumar and N. Koratkar	Journal of Materials Science: Materials in Electronics	2018	10	ShaheedRaj guru college of Applied Sciences for women , University of Delhi	10
Enhanced field emission from copper nanowires synthesized using ion tracketch membranes as scaffolds.	RashiGupta ,R. P. Chauhan, S. K. Chakravarti, ManojKumarJaiswal, D. Ghoshal, S. Basu, Stephen F. Bartolucci , N. Koratkar, R. Kumar and S. Suresh	Journal of Materials Science: Materials in Electronics	2018	3	ShaheedRaj guru College of Applied Sciences for Women, New Delhi, 110096, India	3
Modification in the Properties of SnO <sub>2</sub> TiO <sub>2</sub> Nanocomposite Physics Thin Films by Low Energy Ion Irradiation.	V.Kumar, Manoj Kumar Jaiswal, R. Gupta, P. K. Kulriya, K. Asokan, IndraSulania, S. Ojha and R. Kumar.	Integrated Ferroelectrics	2019	0	ShaheedRaj guru College of Applied Sciences for Women, New Delhi, 110096, India	0
Modelling of strain induced Magnetism in Au additive Pt thin films	RajanGoyal , S. Lamba and S Annapoorni	Progress in Natural Science: Materials International (In press)	2019	0	Department of Physics and Astrophysics, University of Delhi, Delhi, 110007, India	0
Studies of Exchange Coupling in FeCo/L10FePt	GarimaVashist, Rajan Goyal, ManjuBala, Sunil Ojha	IEEE Transactions on Magnetics 55: 15	2019	0	Department of Physics and Astrophysics, University	0

Bilayer Thin Films	and S Annapoorni				of Delhi, Delhi, 110007, India	
Exploring Communication Trends in Interpersonal Relationships: A Generational Study.	Dr. Komal Chandra	International Journal of Research and Analytical Reviews	2018	0	ShaheedRajguru College of Applied Sciences for Women	0
Social Influence and Interventions: Perceived effectiveness of anti-smoking advertisements.	Ms. Ankita Mishra	International Journal of Social Sciences and Economic Research	2018	0	ShaheedRajguru College of Applied Sciences for Women	0
Understanding the Experience of Cyberbullying Victimization in Young Adults	Ms. Ankita Mishra	International Journal of Research and Analytical Reviews	2018	0	ShaheedRajguru College of Applied Sciences for Women	0
Healthy body and happy mind: A biopsychosocial insight into the body mass index and happiness level interplay among young adults	Ms. Ankita Mishra	International Journal of Social Sciences Review	2018	0	ShaheedRajguru College of Applied Sciences for Women	0
Exploring the relationship between hope and personality traits	Ms. Ankita Mishra	Research Journal of Humanities and Social Sciences	2019	0	ShaheedRajguru College of Applied Sciences for Women	0
Pattern of mitochondr	Tyagi A, Pramanik	Mutation Research	2018	4	ShaheedRajguru	4

ial Dloop variations and their relation with mitochondrial encoded genes in pediatric acute myeloid leukemia	R, Vishnubhatla S, Ali S, Bakhshi R, Chopra A, Singh A, Sameer Bakhshi.					College of Applied Sciences for Women, University of Delhi, Delhi	
Prognostic impact of mitochondrial DNA Dloop variations in pediatric acute myeloid leukemia.	Tyagi A, Pramanik R, Vishnubhatla S, Bakhshi R, Bakhshi S.	Oncotarget	2018	0	ShaheedRajguru College of Applied Sciences for Women, University of Delhi, Delhi	0	
Apoptosis: A biomarker of highrisk phenotype in pediatric acute myeloid leukemia?	Tyagi A, Pramanik R, Bakhshi R, Vishnubhatla S, Bakhshi S.	International Journal Laboratory Hematology	2019	0	ShaheedRajguru College of Applied Sciences for Women, University of Delhi, Delhi	0	
Investigating Antioxidant and Antidiabetic activity of leaf extracts of Justicia adhatoda and Murraya koenigii	Mishra. S., Khatri. M., and Mehra. V.	International Research Journal of Biological Sciences	2019	0	ShaheedRajguru College of Applied Sciences for Women, University of Delhi, Delhi	0	
Hierarchically Grown NiO Decorated Polyani line Reduced Graphene Oxide Composite for	Ahuja P, Ujjain S K, Arora I, Samim M.	ACS Omega	2018	6	ShaheedRajguru College of Applied Sciences for Women, University of Delhi, Delhi	6	

Ultrafast Sunlight Driven Photocatalysis						
Phase transfer catalysis in the aid of fingerprint development	G.S. Sodhi, Jasjeet Kaur	Arab Journal of Forensic Sciences and Forensic Medicine	2019	0	ShaheedRaj guru College of Applied Sciences for Women, University of Delhi, Vasundhara Enclave, Delhi, 110096, India	0
Oil red O reagent for detection of latent fingerprints: A review	G.S. Sodhi, Jasjeet Kaur	Egyptian Journal of Forensic Sciences	2019	0	ShaheedRaj guru College of Applied Sciences for Women, University of Delhi, Vasundhara Enclave, Delhi, 110096, India	0
The forgotten Indian pioneers of fingerprint science: Fallout of colonialism	G.S. Sodhi, Jasjeet Kaur	Indian Journal of History of Science	2018	0	ShaheedRaj guru College of Applied Sciences for Women, University of Delhi, Vasundhara Enclave, Delhi, 110096, India	0
NSubstituted aminoquinolinepyrimidine hybrids: Synthesis, in vitro antimalarial activity evaluation and docking studies	Shiv S. Maurya, Aparna Bahuguna, Shabana I. Khan, Deepak Kumar, Rohit Kholiya, Diwan S. Rawat	Eur. J. Med. Chem.	2019	1	Department of Chemistry, University of Delhi, Delhi, 110007, India	1

Synthesis, antimicrobial activity and docking studies of metronidazole triazole styryl hybrids	B. Negi, P. Poonan, M.F. Ansari, Deepak Kumar, S. Aggarwal, R. Singh, A. Azam, D.S. Rawat	Eur. J. Med. Chem.	2018	3	Department of Chemistry, University of Delhi, Delhi, 110007, India	3
The effects of biological buffers TRIS, TAPS, TES on the stability of lysozyme.	PavaniPannuru, AnjeetaRani, PannuruVenkatesu and MingJer Lee.	Int. J. Biol. Macromol	2018	2	Department of Chemistry, University of Delhi, Delhi, 110007, India	2
Undesirable impact on Structure and Stability of Insulin on Addition of ( )Catechin Hydrate with Sugar	Anjeeta Rani, IndraniJha and PannuruVenkatesu	Arch Biochem. Biophys.,	2018	1	Department of Chemistry, University of Delhi, Delhi, 110007, India	1
Influence of additives on thermoresponsive polymers in aqueous media: A case study of poly(Nisopropylacrylamide)	ReddicherlaUmapathi, P. Madhusudhana Reddy, Anjeeta Rani and PannuruVenkatesu	Phys. Chem. Chem. Phys.	2018	0	Department of Chemistry, University of Delhi, Delhi 110007, India	0
Changing relations between proteins and osmolytes: a choice of nature	Anjeeta Rani and PannuruVenkatesu	Phys. Chem. Chem. Phys.	2018	0	Department of Chemistry, University of Delhi, Delhi 110007, India	1
Development of a novel	MohitSaroha, KomalAggarwal, Ga	Monatshefte für Chemie	2018	0	Department of Chemistry,	0



protocol for chemos elective de protection of N/O benz yloxy carbonyl (Cbz) at ambient temperature	urav Bartwal, Jitender M. Khurana				University of Delhi, Delhi 110 007, India	
A highly selective pH switchable colorimetric fluorescent rhodamine functionalized azophenol derivative for thorium recognition up to nanomolar level in semiaqueous media: Implication towards multiple logic gates	Gaurav Bartwal, Komal Aggarwal, Jitender M. Khurana	Journal of Hazardous Materials	2018	5	Department of Chemistry, University of Delhi, Delhi 110 007, India	5
Structural characterization and theoretical study of a dinuclear copper(II) complex bridged by metaphenylene diimino phenolate moiety	Mukesh Kumar, Shyam Kishor, Amit Kumar, A. K. Bhagi, Rohith P. John	Journal of Molecular Structure,	2019	0	Department of Chemistry, Shaheed Rajguru College of Applied Sciences for Women, New Delhi, 110096, India	0
MultiRelease Software Reliability Growth Assessment: An approach i	A. G. Aggarwal, N. Gandhi, V. Verma, A. Tandon	International Journal of Mathematics in Operational Research	2018	0	Shaheed Rajguru college of Applied Sciences for women , University	0

ncorporating Fault Reduction Factor and Imperfect Debugging					of Delhi	
Application of Hopfield Neural Network for Facial Image Recognition	NehaSoni, EnakshiKhumar Sharma, AmitaKapoor	International Journal of Recent Technology and Engineering	2018	0	ShaheedRajguru college of Applied Sciences for women , University of Delhi	0
Assistance System (AS) for Vehicles on Indian Roads: A Case Study	Soni N., Sharma E.K., Singh N., Kapoor A	Advances in Intelligent Systems and Computing	2018	0	ShaheedRajguru college of Applied Sciences for women , University of Delhi	0
Investigation of Iterative and Direct Strategies with Recurrent Neural Networks for ShortTerm Traffic Flow Forecasting	Fandango, Armando, and AmitaKapoor	Communications in Computer and Information Science	2018	0	ShaheedRajguru college of Applied Sciences for women , University of Delhi	0
Analytical and computational studies of the nonlinear vibrations of SWCNTs embedded in viscous elastic matrix using KBM method	Monika Tyagi, Ayub Khan, Mushahid Husain and Samina Husain	Chaos: An Interdisciplinary Journal of Nonlinear Science	2018	0	JamiaMilliaIslamia and ShaheedRajguru college of Applied Sciences for women , University of Delhi	0
Total phenolic flavonoid content an	Ms.Paradholakia, Dr AnupaSiddhu, Dr	Journal of Emerging Technologies	2018	0	ShaheedRajguru college of Applied	0

tioxidant activity of amaranth based cookies	Ranjana Singh	Innovative Research (JETIR)			Sciences for women , University of Delhi	
A study on the effect of sonication on the reduction of pesticide residues in cabbage"	Ms Vandana, Ms Ragyaka poor	Journal of Emerging Technologies Innovative Research (JETIR) ISSN: 23495162	2018	0	ShaheedRaj guru college of Applied Sciences for women , University of Delhi	0
Development of fermented beverage from fruit and vegetable pomace	PrabhjotKaurSabharwal and SatakshiAggarwal	Journal of Emerging Technologies Innovative Research (JETIR) ISSN: 23495162	2018	0	ShaheedRaj guru college of Applied Sciences for women , University of Delhi	0
Sausage: probiotics, microencapsulation and postbiotic invasion.	PrabhjotKaurSabharwal, SatakshiAggarwal	Asian Journal of Research in Chemistry and Pharmaceutical Sciences	2018	0	ShaheedRaj guru college of Applied Sciences for women , University of Delhi	0
Preparation and characterization of antimicrobial, biodegradable, triclosan incorporated polyhydroxybutyrate-co-valerate films for packaging applications	PrabhjotKaurSabharwal, SrutiChattopadhyay, and Harpal Singh	Journal of Applied Polymer Science ISSN: 00218995	2018	0	IIT, Delhi	0
Influence of Food Consumption routine on type 2	VikasSaxena, Sandip T Gaikwad, Twinkle Kumar	The Pharma Innovation	2018	0	NIFTEM, Kundli, Haryana	0

diabetes mellitus	Sachchan, Shilpa B Bansode					
Oragnic Farming in India : An Overview"	Onkar K Suryawanshi, Shilpa B Bansode, Twinkle Kumar Sachchan	Journal of Emerging Technologies Innovative Research	2018	0	NIFTEM, Kon dli, Haryana	0
A study of consumer behavior towards Epurchase of Food	Vikas Saxena and Twinkle Kumar Sachchan	Journal of Emerging Technologies Innovative Research	2018	0	NIFTEM, Kon dli, Haryana	0
A review and recent developments on strategies to improve the photocatalytic elimination of organic dye pollutants by BiOX (XCl, Br, I, F) nano structures	Sonal Singh, Rishabh Sharma, and Manika Khanuja	Korean Journal of Chemical Engineering	2018	13	ShaheedRaj guru college of Applied Sciences for women , University of Delhi	13
Bi <sub>2</sub> O <sub>3</sub> /NiBi <sub>2</sub> O <sub>3</sub> system obtained via Nidoping for enhanced PEC and photocatalytic activity supported by DFT and experimental study	Sonal Singh, Rishabh Sharma	Solar Energy Materials and Solar	2018	10	ShaheedRaj guru college of Applied Sciences for women , University of Delhi	10
Modeling and Simulation of AlGa <sub>N</sub> /Ga <sub>N</sub> MOSHEMT for Biosensor Applicatio	Praveen Pal Yogesh Pratap Mridula Gupta Sneha Kabra	IEEE Sensors Journal	2019	0	ShaheedRaj guru college of Applied Sciences for women , University of Delhi	0

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Pattern of mitochondrial Dloop variations and their relation with mitochondrial encoded genes in pediatric acute myeloid leukemia	Dr.Radhika Bakhshi	Mutation Research	2018	6	15	ShaheedRaj guru College of Applied Sciences for Women, New Delhi, 110096, India
Prognostic impact of mitochondrial DNA Dloop variations in pediatric acute myeloid leukemia.	Dr.Radhika Bakhshi	Oncotarget	2018	6	15	ShaheedRaj guru College of Applied Sciences for Women, New Delhi, 110096, India
Apoptosis: A biomarker of highrisk phenotype in pediatric acute myeloid leukemia?	Dr.Radhika Bakhshi	International Journal Laboratory Hematology	2019	6	15	ShaheedRaj guru College of Applied Sciences for Women, New Delhi, 110096, India
Hierarchically Grown NiODecorated Polyani lineReduced Graphene Oxide Composite for Ultrafast SunlightDriven Photo	Dr.InduAro ra	ACS Omega	2018	6	24	ShaheedRaj guru College of Applied Sciences for Women, New Delhi, 110096, India

catalysis						
Investigating Antioxidant and Antidiabetic activity of leaf extracts of Justicia adhatoda and Murraya koenigii	Dr.Varsha Mehra	International Research Journal of Biological Sciences	2019	6	21	ShaheedRaj guru College of Applied Sciences for Women, New Delhi, 110096, India
Investigating Antioxidant and Antidiabetic activity of leaf extracts of Justicia adhatoda and Murraya koenigii	Dr.Manisha Khatri	International Research Journal of Biological Sciences	2019	5	25	ShaheedRaj guru College of Applied Sciences for Women, New Delhi, 110096, India
Phase transfer catalysis in the aid of fingerprint development	G.S. Sodhi, JasjeetKaur	Arab Journal of Forensic Sciences and Forensic Medicine	2019	12	64	ShaheedRaj guru College of Applied Sciences for Women, New Delhi, 110096, India
Oil red O reagent for detection of latent fingerprints: A review	G.S. Sodhi, JasjeetKaur	Egyptian Journal of Forensic Sciences	2019	12	64	ShaheedRaj guru College of Applied Sciences for Women, New Delhi, 110096, India
The forgotten Indian pioneers of fingerprint science: Fallout of colonialism	G.S. Sodhi, JasjeetKaur	Indian Journal of History of Science	2018	12	64	ShaheedRaj guru College of Applied Sciences for Women, New Delhi, 110096, India
NSubstituted aminoquinolinepyridine	Shiv S. Maurya, AparnaBahuguna	Eur. J. Med. Chem	2019	11	69	Department of Chemistry,

imidine hybrids: Synthesis, in vitro antimalarial activity evaluation and docking studies	na, Shabana I. Khan, Deepak Kumar, RohitKholiya, Diwan S. Rawat					University of Delhi, Delhi, 110007, India
Synthesis, antimicrobial activity and docking studies of metronidazole triazole styryl hybrids	B. Negi, P. Poonan, M.F. Ansari, Deepak Kumar, S. Aggarwal, R. Singh, A. Azam, D.S. Rawat	Eur. J. Med. Chem	2018	11	69	Department of Chemistry, University of Delhi, Delhi 110007, India
The effects of biological buffers TRIS, TAPS, TES on the stability of lysozyme.	PavaniPannuru, AnjeetaRani, PanuruVenkatesu and MingJer Lee.	Int. J. Biol. Macromol., 112, 720727.	2018	7	35	Department of Chemistry, University of Delhi, Delhi 110007, India
Undesirable impact on Structure and Stability of Insulin on Addition of ( )Catechin Hydrate with Sugar	Anjeeta Rani, IndraniJha and PannuruVenkatesu	Arch Biochem. Biophys., 646, 6471.	2018	7	35	Department of Chemistry, University of Delhi, Delhi 110007, India
Influence of additives on thermoresponsive polymers in aqueous media: A case study of poly(Nisopropylacrylamide)	ReddicherlaUmapathi, P. Madhusudhana Reddy, Anjeeta	Phys. Chem. Chem. Phys., 20, 97179744	2018	7	35	Department of Chemistry, University of Delhi, Delhi 110007, India
Changing relations	Anjeeta Rani and P	Phys. Chem.	2018	7	35	Department of

between proteins and osmolytes: a choice of nature	annuruVenkatesu	Chem. Phys.20, 2031520333				Chemistry, University of Delhi, Delhi 110 007, India
Development of a novel protocol for chemoselective protection of N-benzyloxycarbonyl (Cbz) at ambient temperature	MohitSaroha, KomalAggarwal, GauravBartwal, Jitender M. Khurana	Monatshefte für Chemie Chemical 2018, 149, 2231-2235.	2018	8	37	Department of Chemistry, University of Delhi, Delhi 110 007, India
A highly selective pH switchable colorimetric fluorescent rhodamine functionalized azophenol derivative for thorium recognition up to nanomolar level in semi-aqueous media: Implication towards multiple logic gates	GauravBartwal, Komal Aggarwal, Jitender M. Khurana	Journal of Hazardous Materials 360, 2018, 5161	2018	8	37	Department of Chemistry, University of Delhi, Delhi 110 007, India
Structural characterization and theoretical study of a dinuclear copper(II) complex bridged by metaphenylenediamine phenolate	Mukesh Kumar, ShyamKishor, Amit Kumar, A. K. Bhagi, Rohith P. John	Journal of Molecular Structure, 1199, 2020, 126996	2019	0	0	Department of Chemistry, ShaheedRajguru College of Applied Sciences for Women, New Delhi, 110096, India



moiety						
MultiRelease Software Reliability Growth Assessment: An approach incorporating Fault Reduction Factor and Imperfect Debugging	A. G. Aggarwal, N. Gandhi, V. Verma, A. Tandon	International Journal of Mathematics in Operational Research	2018	0	1	ShaheedRajguru College of Applied Sciences for Women, New Delhi, 110096, India
Analytical and computational studies of the nonlinear vibrations of SWCNTs embedded in viscous elastic matrix using KBM method	Monika Tyagi	Chaos: An Interdisciplinary Journal of Nonlinear Science	2018	0	0	JamiaMilliaIslamia and ShaheedRajguru college of Applied Sciences for women , University of Delhi
Application of Hopfield Neural Network for Facial Image Recognition	NehaSoni, EnakshiKhumar Sharma, AmitaKapoor	International Journal of Recent Technology and Engineering	2018	0	0	ShaheedRajguru college of Applied Sciences for women , University of Delhi
Assistance System (AS) for Vehicles on Indian Roads: A Case Study	Soni N., Sharma E.K., Singh N., Kapoor A	Advances in Intelligent Systems and Computing	2018	0	0	ShaheedRajguru college of Applied Sciences for women , University of Delhi
Investigation of Iterative and Direct Strategies with Recurrent Neural Networks	Fandango, Armando, and AmitaKapoor	Communications in Computer and Information Science	2018	3	0	ShaheedRajguru college of Applied Sciences for women , University of Delhi

for ShortTerm Traffic Flow Forecasting						
Development of fermented beverage from fruit and vegetable pomace	PrabhjotKaurSabharwal and Sata kshiAggarwal	Journal of Emerging Technologies Innovative Research (JETIR) ISSN: 23495162	2018	2	0	ShaheedRaj guru college of Applied Sciences for women , University of Delhi
Sausage: probiotics, microencapsulation and postbiotic invasion.	PrabhjotKaurSabharwal. SatakshiAggarwal	Asian Journal of Research in Chemistry and Pharmaceutical Sciences	2018	2	0	ShaheedRaj guru college of Applied Sciences for women , University of Delhi
Modeling and Simulation of AlGaN/GaN MOSHEMT for Biosensor Applications	Praveen Pal YogeshP ratap Mridula Gupta SnehaKabra	IEEE Sensors Journal	2019	8	0	ShaheedRaj guru college of Applied Sciences for women , University of Delhi
A review and recent developments on strategies to improve the photocatalytic elimination of organic dye pollutants by BiOX (XCl, Br, I, F) nano structures	Sonal Singh, Rishabh Sharma, and Manika Khanuja	Korean Journal of Chemical Engineering	2018	2	23	ShaheedRaj guru College of Applied Sciences for Women, New Delhi, 110096, India
Bi <sub>2</sub> O <sub>3</sub> /NiBi <sub>2</sub> O <sub>3</sub> system obtained via Nidoping for enhanced	Sonal Singh, Rishabh Sharma	Solar Energy Materials and Solar	2018	2	23	ShaheedRaj guru College of Applied Sciences for Women, New Delhi,

PEC and photocatalytic activity supported by DFT and experimental study						110096, India
A Benchmarking Strategy for Delhi Transport Corporation: An Application of Data Envelopment Analysis	Punita Saxena	International Journal of Mathematical, Engineering and Management Sciences.	2019	2	9	South Asian University
Effects of Eclipse Phase and Delay on the Dynamics of HIV Infection	Yashi	Journal of Biological Systems	2018	2	0	ShaheedRajguru College of Applied Sciences for Women, New Delhi, 110096, India
Effect of low energy (keV) ion irradiation on structural, optical and morphological properties of SnO <sub>2</sub> -TiO <sub>2</sub> nanocomposite thin films.	V. Kumar, Manoj Kumar Jaiswal, R. Gupta, Jagjeevan Ram, Indra Sulania, S. Ojha, Xin Sun, R. Kumar and N. Koratkar	Journal of Materials Science: Materials in Electronics	2018	9	31	ShaheedRajguru College of Applied Sciences for Women, New Delhi, 110096, India
Enhanced field emission from copper nanowires synthesized using ion tracketch membranes as scaffolds	Rashi Gupta, R. P. Chauhan, S. K. Chakravarti, Manoj Kumar Jaiswal, D. Ghoshal, S. Basu, Stephen F. Bartolucci, N.	Journal of Materials Science: Materials in Electronics	2018	9	31	ShaheedRajguru College of Applied Sciences for Women, New Delhi, 110096, India

	Koratkar, R. Kumar and S. Suresh					
Modification in the Properties of SnO <sub>2</sub> TiO <sub>2</sub> Nanocomposite Thin Films by Low Energy Ion Irradiation	V.Kumar, Manoj Kumar Jaiswal, R. Gupta, P. K. Kulriya, K. Asokan, IndraSulania, S. Ojha and R. Kumar.	Integrated Ferroelectrics 93, 8899	2019	9	31	ShaheedRajguru College of Applied Sciences for Women, New Delhi, 110096, India
Modelling of strain induced magnetic anisotropy in Au additive FePt thin films	RajanGoyal, S. Lamba and S Annapoorni	Progress in Natural Science: Materials International	2019	3	6	Department of Physics and Astrophysics, University of Delhi, Delhi, 110007, India
Studies of Exchange Coupling in FeCo/L1 <sub>0</sub> FePt Bilayer Thin Films	GarimaVashist, Rajan Goyal, ManjuBala, Sunil Ojha and S Annapoorni	IEEE Transactions on Magnetics 55: 15	2019	3	6	Department of Physics and Astrophysics, University of Delhi, Delhi, 110007, India
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### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	16	11	1	5
Presented papers	4	1	0	8
Resource persons	3	2	0	0
<a href="#">View File</a>				

### 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
Blood Donation in University cell of	NSS centre, DU	2	24

DU for paying homage to Pulwama Martyrs February 23, 2019			
Graffiti competition March 6, 2019	Election Commission	6	76
Lecture on Sexual Harassment March 7, 2019	DLSA, East	5	85
Blood Donation Camp March 7, 2019	AIIMS	5	65
Legal Literacy program, March 8, 2019	DLSA, East	6	74
Yoga Camp June 11/20, 2019	NSS	4	34
International Yoga Day	NSS	5	112
Basic and Applied Science for 11th and 12th class students	Departments of Microbiology, Computer Science, Physics and Chemistry of Shaheed Rajguru College in Collaboration with Geeta Bal Bharti School, Seelampur, Delhi	5	80
Information leaflet released on 'Everyday Facts related to Microbiology you didn't know'	Department of Microbiology	1	50
Computer Literacy Program (CLP) V	Manav Ujjaval Samaj Samiti (NGO, Registration No. S51576)	2	53
Cleanliness drive at DDA Market, Vashundra Enclave	NSS, SRCASW	1	30
International Yoga Day June 21, 2018	NSS, SRCASW	4	75
Legal Literacy Programme on Sexual Harassment at Workspace July 30, 2018	District Legal Service authority (DLSA), East Delhi	3	63
International Youth Day August 12, 2018	NSS	3	72

HEALTH CHECKUP CAMP 3031 August, 2018	BLK Super Specialty Hospital, New Delhi	6	365
Graffiti competition for Electoral Literacy Club September 6, 2018	Election Commission of India	4	114
Inauguration of First Electoral Literacy Club September 7, 2018	Election Commission of India	4	85
NSS Orientation Day September 11, 2018	NSS	6	475
Lecture on Healthy Lifestyle	NSS, BLK Super Specialty Hospital, New Delhi	6	140
Menstrual Hygiene Seminar September 25, 2018	NSS	3	60
Surgical Strike Day Celebration September 29, 2018	NSS	4	72
Vigilance Week October 29 November 3, 2018	NSS	6	145
Swachta Hi Sewa October 10 October 15, 2018	NSS	7	115
Cancer Awareness Seminar October 30, 2018	Dharamshilla Naryana Superspeciality Hospital	5	150
Disaster Management Mock drill 8 January'19	Disaster Risk Management Program, District East	6	84
Self Defence Camp January 15-19, 2019	Delhi Police	3	69
Electoral Education Camp, January 16, 2019	Election Commission	4	79
Sport's Day, Spardha January 17, 2019	Department of Physical education	5	55
District Youth Parliament, January 24, 2019	Ministry of Youth affairs	5	74
Voter's awareness oath January 25, 2019	Election Commission	4	94
Lecture on Disability Act	Equal Oppurtuinty Cell and NSS	4	113

January 31, 2019			
Hand Writing Improvement Workshop	Elvira, The Fine Art Society	1	15
<a href="#">View File</a>			

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Computer Literacy Program (CLP) 201819	Letter of Appreciation	Manav UjjavalSamaj Samiti (NGO, Registration No. S51576)	53
<a href="#">View File</a>			

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
Young India: know Thyself	Vivekananda Kendra, Delhi Branch	Leadership development program	1	3
Village household survey	IIT Delhi	UBA2.0	16	50
Eye Testing Camp	Lenakart	Eye Testing Camp	5	600
Logo Design tagline Competition for Women Development Cell of the college.	"ANUBHUTI" Women Development Cell, SRCASW.	Logo Design tagline Competition	4	18
Unnat Bharat Abhitan	SRCASW in collaboration with Central Government	Village survey	1	5
NSS	NSS	Eye Camp, AIDs Awareness Program, Medical Camp, Literacy Drive	1	10
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**3.5 – Collaborations**

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

Nature of activity	Participant	Source of financial support	Duration
Research activity/Lectures	300	College	1

(Talk by Dr. Sanjay Banerjee and Dr. Amit Kumar Yadav, THSTI in SRCASWTHSTI Science Setu Program)			
Research activity/Lectures (Talk by Dr. SamratChatterjee, THSTI in SRCASWTHSTI Science Setu Program)	300	College	1
Research activity/Lectures (Talk by Dr. B. C. Koner, Director, Professor of Biochemistry, Maulana Azad Medical College in Inter Departmental Technical Festival PLEXUS)	220	College	1
Research activity/Lectures (Talk by Professor FarhanJalees Ahmad, Dean, Interdisciplinary Sciences and Technology, JamiaHamdardin Inter Departmental Technical Festival PLEXUS)	220	College	1
Faculty Exchange Program	2	ERASMUS	12
Faculty Exchange Program	1	ERASMUS	6
Faculty Exchange Program	2	ERASMUS	8
Research	1	Department of Chemistry, Durban University of Technology (awarded travel grant and per diem allowance)	7
Research activity/Lectures (Talk by Prof. SubrataSinha, Head Department of Biochemistry AIIMS in World Cancer Day	200	College	1



Symposium organized in collaboration with INSA)			
Research activity/Lectures (Talk by Prof. S. S. Chauhan, AIIMS in World Cancer Day Symposium organized in collaboration with INSA)	200	College	1
Research activity/Lectures (Talk by Dr. Jayanth Kumar and Dr. Prasenjit Das, AIIMS, in World Cancer Day Symposium organized in collaboration with INSA)	200	College	1
Research activity/Lectures (Talk by Dr. Sameer Bakhshi, Department of Medical Oncology AIIMS in World Cancer Day Symposium organized in collaboration with INSA)	200	College	1
Research activity/Lectures (Talk by Dr. Guruprasad Medigeshi, THSTI in SRCASWTHSTI Science Setu Program)	200	College	1
Research activity/Lectures (Talk by Dr. Nisheet Agrawal and Dr. Milan Surjeet, THSTI in SRCASWTHSTI Science Setu Program)	200	College	1
Research activity/Lectures (Talk by Dr. Amit Kumar Pandey and Dr. Krishnamohan Atmakuri, THSTI in SRCASWTHSTI Science Setu Program)	200	College	1
Research	500	College	1

activity/Lectures (Talk by Prof. Bal Ram Singh, Director, BotulinumResearch Center, Dartmouth, USA)			
Research activity/Lectures (Talk by Dr. UnnatPandit, Head of Operations, Atal Innovation Mission, NITI Ayog)	500	College	1
Research activity/Lectures (Talk by Prof. G. P. Talwar, PadmaBhushan, Formar Director, NII in 3 Day UGC sponsored National Workshop on Alternative Methods to Animal Testing)	100	UGC	1
Research activity/Lectures (Talk byProf. VaniBrahmachari, ACBR and Prof. SuhelParvez, JamiaHamdard University, Delhi in 3 Day UGC sponsored National Workshop on Alternative Methods to Animal Testing)	100	UGC	1
Research activity/Lectures (Talk by Prof. B. Jayaram, Department of Chemistry School of Biological Sciences, IIT Delhi in 3 Day UGC sponsored National Workshop on Alternative Methods to Animal Testing)	100	UGC	1
Research activity/Lectures (Talk by Prof. Indira Ghosh, JNU and Dr. Madhu Chopra, ACBR	100	UGC	1

Delhiin 3 Day UGC sponsored National Workshop on Alternative Methods to Animal Testing)			
Research activity/Lectures (Talk by Dr. AnshuB hardwaj, Senior Scientist, Institute of Microbial Technology, Assistant Professor, The Academy of Scientific Innovative Research (AcSIR), Council of Scientific and Industrial Research (CSIR), Adjunct Fac	100	UGC	1
Research activity/Lectures (Talk by Dr. V L Kumar, Professor and Head, Department of Pharmacology AIIMS in 3 Day UGC sponsored National Workshop on Alternative Methods to Animal Testing)	100	UGC	1
Research activity/Lectures (Talk by Dr. Dipti M Kapoor, Science Policy Advisor, PETA India and Dr. R. S. Ray, Scientist, Indian Pharmacopeia Commission in 3 Day UGC sponsored National Workshop on Alternative Methods to Animal Testing)	100	UGC	1
Student Exchange/ Training Program	11	Self	11
Research based: on topic "Antimicrobial activity of medicinal plant	10	St. Joseph's College for Women, Visakhapatnam, Andhra Pradesh	11

extracts: in vitro  
and in silico  
approach"

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Cloud Computing Technology Fundamentals	Foundation for Innovation and Technology Transfer , IIT, Delhi	21/07/2018	30/11/2018	Ms. Deepali Bajaj Ms. Urmil Bharti
Internship	Analytical Research	Jubilant Generics Limited	10/06/2019	10/07/2019	Ms. Khushboo
Internship	Generation of TESTC Curve for IFF system	Bharat Electronics	27/05/2019	22/06/2019	Ms. Nandini
Internship	Sensory Evaluation of Mango Pulp	Hindustan Coca Cola Beverages Pvt. Ltd.	01/06/2019	30/06/2019	Ms. Garima Kukreja
Internship	Quality Assurance of Kinley Water and, Carbonated Water and Juice Department	Moon Beverages Ltd.	29/05/2019	25/06/2019	Ms. Astha Balodhi
Internship	Parle Biscuits	B.D. Foods Pvt. Ltd.	26/05/2019	25/06/2019	Ms. Shruti Pal
Internship	Quality Control Department	Raizel Industries	20/06/2019	11/07/2019	Ms. Rashmi Sharma
Internship	Regulatory Department	Bikanerwala Foods Pvt. Ltd.	29/05/2019	27/06/2019	Ms. Shalini Yadav
Internship	Industrial Training	Glaxo Smithkline Consumer Healthcare Ltd.	01/06/2019	01/07/2019	Ms. Sana Gupta

Internship	Industrial Training	Delhi Milk Scheme	03/06/2019	30/06/2019	Ms. Deepa Yadav
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
St. Joseph's College for Women (Autonomous), Gnanapuram, Visakhapatnam, AP, India	10/05/2018	Training, research and development and related activities	26
Translational Health Science Technology Institute	01/07/2018	1)DDRC, THSTI Scientists visit ofSRCASW and lectures (14th sept 2018) 2 ) Shadow A Scientist Program (20th - 28th Dec 2018) Students underwent training under guidance of scientists of THSTI. 3) Lab visits and interaction by VIDRC, THSTI (5.2.2019)	70
Silesian University, Faculty of Philosophy and Science in Opava, Czech Republic	24/04/2018	Faculty Exchange Program Under ERASMUS	7
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## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
28980391	28980391

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing

Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
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#### 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
Libert	Fully	v5.0 (Build 5.0061302121921)	1999

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	16260	15284882	723	954228	16983	16239110
Reference Books	1666	1313045	98	693997	1764	2007042
e-Books	135000	5000	0	0	135000	5000
Journals	0	0	1	950	1	950
e-Journals	47000	5000	0	0	47000	5000
Digital Database	24	0	0	0	24	0
CD & Video	45	5175	34	11237	79	16412
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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
<b>No Data Entered/Not Applicable !!!</b>			
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	605	5	0	3	4	12	593	100	0
Added	179	0	0	0	3	5	174	0	0

Total	784	5	0	3	7	17	767	100	0
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4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

100 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
<b>No Data Entered/Not Applicable !!!</b>	

#### 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
18263631	18263631	13089451	13089451

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)

<https://www.rajgurucollege.com>

### 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	Fee Concession	215	1338489
Financial Support from Other Sources			
a) National	National Scholarship Portal	6	0
b) International	nil	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Seminar on "Vedic Maths: How Quant is different from Maths" and "Solving the Scholarship Test"	07/01/2019	180	IMS
Mock Competitive cum Scholarship Exam	29/01/2019	180	IMSMr Vijay Shukla, Marketing Head,

A seminar themed "Foreign Career Prospects" and "Career in Global Opportunities"	24/10/2018	180	Global Opportunities Pvt. Ltd
A résumé building workshop	21/02/2019	180	T.I.M.E.
HR Symposium'18, themed "Changing face of an HR Manager in the Digital Age"	25/10/2018	180	Ms. Sonia Sareen, Dr. Uma S. Singh
A talk on "Marketing and Women in Entrepreneurship"	19/02/2019	180	Ms. Kanupriya Saigal, Founder of the socially sustainable startup BeePositive. <a href="https://in.linkedin.com/in/kpsaigal">https://in.linkedin.com/in/kpsaigal</a>
A seminar on the topic Soft Skills for Employability	08/10/2018	180	IBS ICFAI
Guidance for competitive examinations	19/10/2018	106	Career Endeavor
CV writing workshop	04/04/2019	100	Mr. Rajat Mittal
Career counselling workshop	12/09/2018	95	Alumni of Food Tech department and industry personnel
Two Day workshop on "Mathematica"	12/03/2019	38	Inhouse
Yoga and Meditation: Everyday organized in the morning from Monday to Friday from 7:30am to 8:45 am.	23/07/2018	114	Dept. of Phy.Edu. Sports, SRCASW
<a href="#">View File</a>			

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 passed in the comp. exam	Number of students placed
2019	Certificate Course on ISO 22000	30	30	0	0



2018	Guidance for competitive examinations	0	106	0	0
2019	A talk on The Process and Challenges of Drug Delivery role and perspective of a chemist by Dr. Kiran deepKaur, Operational Lead, Medicines of Malaria Venture and Consultant at Institute of Microbial Technology, Chandigarh, on February 8, 2019.	106	106	14	14
2018	A talk on Green Chemistry: Designing Chemistry for Human Health and Environment by Professor R.K. Sharma (Coordinator , Green Chemistry Network Centre), Department of Chemistry, University of Delhi, on September 20, 2018.	106	106	14	14
2019	A talk on Mathematics in machine learning by Prof. C.S. Lalitha on March 27, 2019.	150	150	20	1

2019	A talk on "Marketing and Women in Entrepreneurship"	180	180	0	0
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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
Wipro Technologies, TCS	80	22	Wipro Technologies	1	1
<a href="#">View File</a>					

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
2018	2	B.Sc.(Hons) Electronics	Electronics	IP University	MBA
2018	3	B.Sc.(Hons) Biomedical Science	Biomedical Sciences	Jamia Milia Islamia	MSc Biotechnology
2018	1	B.Sc.(Hons) Biomedical Science	Biomedical Sciences	MSc Biotechnology	Msc Biochemistry
2018	1	B.Sc.(Hons) Biomedical Science	Biomedical Sciences	central university of haryana	Msc Biochemistry
2018	1	B.Sc.(Hons) Biomedical Science	Biomedical Sciences	JNU	MSc Biotechnology
2018	1	B.Sc.(Hons) Biomedical Science	Biomedical Sciences	central university of haryana	Msc Biochemistry
2018	1	B.Sc.(Hons) Biomedical Science	Biomedical Sciences	IBAB	MSc Bioinformatics
2018	1	B.Sc.(Hons) Biomedical Science	Biomedical Sciences	AIIMS	M.Sc biotechnology

2018	1	B.Sc.(Hons) Biomedical Science	Biomedical Sciences	University of Delhi, South campus	M.Sc. Biochemistry
2018	1	B.Sc.(Hons) Biomedical Science	Biomedical Sciences	Central University of Rajasthan	M.Sc. Biochemistry
2018	1	B.Sc.(Hons) Biomedical Science	Biomedical Sciences	Amity University	M.Sc. Biotec hnology
2018	1	B.Sc.(Hons) Biomedical Science	Biomedical Sciences	Chettinad health city, Chennai	MSc Clinical research and experimental medicine, Chettinad health city, Chennai
2018	1	B.Sc.(Hons) Biomedical Science	Biomedical Sciences	GNDU Amritsar	MSc Biotechn ology
2018	1	B.Sc.(Hons) Biomedical Science	Biomedical Sciences	IISC Banglore	M.Sc.
2018	1	B.Sc.(Hons) Biomedical Science	Biomedical Sciences	AIIMS New Delhi	Msc Biophysics,
2018	1	B.Sc.(Hons) Biomedical Science	Biomedical Sciences	University of hyderabad	Msc biochemistry
2018	1	B.Sc.(Hons) Biomedical Science	Biomedical Sciences	IIT roorkee	MSc biotechn ology
2018	1	B.Sc.(Hons) Biomedical Science	Biomedical Sciences	JNU	MSc Life Science
2018	1	B.Sc.(Hons) Biomedical Science	Biomedical Sciences	Internationa l institute of health management research Delhi	MBA
2018	1	B.Sc.(Hons) Biomedical Science	Biomedical Sciences	Avadh University Campus faizabad	Msc microbiology
2018	13	B.SC (H) Computer Science	Computer Science	Guru Gobind Singh Indraprastha University	Master of Computer Application
2018	2	B.SC (H) Computer Science	Computer Science	University of Delhi	M.Sc Computer Science

2018	4	B.SC (H) Computer Science	Computer Science	Indira Gandhi National Open University	Master of Computer Application
2018	1	B.SC (H) Computer Science	Computer Science	Banaras Hindu University	M.Sc Computer Science
2018	1	B.SC (H) Computer Science	Computer Science	J.C. Bose University of Science and Technolgy, YMCA	Master of Computer Application
2018	2	B.SC (H) Computer Science	Computer Science	Punjab University	M.Sc Computer Science
2018	1	B.SC (H) Computer Science	Computer Science	Punjab University	Master of Computer Application
2018	1	B.SC (H) Computer Science	Computer Science	Chandigarh University	Master of Business Application Master of Computer Application
2018	4	B.SC (H) Computer Science	Computer Science	Indira Gandhi Delhi Technical University for Women	Master of Computer Application
2018	2	B.SC (H) Computer Science	Computer Science	Christ University	M.Sc Computer Science
2018	1	B.SC (H) Computer Science	Computer Science	Subharti University	Master of Computer Application
2018	1	B.SC (H) Instrumentation	Instrumentation	University of Delhi	M.Sc Electronics
2018	1	B.Sc (H) Instrumentation	Instrumentation	JNU	M.Sc.Environmental Sciences
2018	1	B.Sc (H) Instrumentation	Instrumentation	Devi Ahilya Vishwavidyalaya, University of Indore	M.Sc. Data Sciencs
2018	1	B.Sc (H) Instrumentation	Instrumentation	Kurushetra University	M.Sc. Electronics
2018	1	B.Sc (H) Instrumentation	Instrumentation	Lucknow University	MCA

2018	1	B.Sc (H) Instrumentation	Instrumentation	Maharishi Dayanand University	B.Ed
2018	1	B.Sc (H) Instrumentation	Instrumentation	Chaudhary Charan Singh University	B.Ed
2019	2	B.Sc (H) Instrumentation	Instrumentation	Kurushetra University	M.Sc. Electronics
2019	1	B.Sc.(Hons) Electronics	Electronics	MDU	BEd
2018	1	B.Sc.(Hons) Electronics	Electronics	MDU	BEd
2018	1	B.Sc.(Hons) Electronics	Electronics	IP University	MBA
2018	1	B.Sc.(Hons) Electronics	Electronics	Mahatama Jyotiba Pule Rohilkhand University	LLB
2018	1	B.Sc.(Hons) Electronics	Electronics	Uttrakhand University	BEd
2018	17	B.Sc.(Hons) Food Technology	Food Technology	G.B pant university, Kanpur University, uttranchal University, central University of punjab, Pondicherry University, guru nanak dev university, Guru Jambheshwar university, Maharaja ranjit singh university	M.Sc. Food Technology
2018	1	B.Sc.(Hons) Food Technology	Food Technology	University of delhi	M.Sc. Food and Nutrition
2018	1	B.Sc.(Hons) Food Technology	Food Technology	Indian Institute of Packaging, delhi	Diploma in Packaging
2018	1	B.Sc.(Hons) Food Technology	Food Technology	IGNOU	M.Sc Food and nutrition
2018	1	B.Sc.(Hons) Food Technology	Food Technology	Symbiosis	MBA Agribusiness
2018	1	B.Sc.(Hons) Food Technology	Food	Memorial	Masters in

		Food Technology	Technology	University of Newfoundland and, Canada	Food Science
2018	1	B.Sc.(Hons) Electronics	Electronics	University of Delhi	M.Sc. Electronics
2018	4	B.Sc.(Hons) Electronics	Electronics	University of Delhi	M.Sc. Informatics
2019	2	B.Sc.(Hons) Electronics	Electronics	University of Delhi	M.Sc. Informatics
2019	1	B.Sc.(Hons) Electronics	Electronics	University of Delhi	M.Sc. Electronics
2018	1	B.Sc.(Hons) Electronics	Electronics	Jamia Millia Islamia	M.Sc. Electronics
2018	2	B.Sc.(Hons) Electronics	Electronics	IP University	MCA
2018	1	B.Sc.(Hons) Electronics	Electronics	University of Delhi	MCA
2019	1	B.Sc.(Hons) Electronics	Electronics	University of Delhi	MLISc
2018	1	B.Sc.(Hons) Electronics	Electronics	IIMT University, Meerut	BEd
2018	1	B.Sc.(Hons) Electronics	Electronics	Shokeenda Institute of fashion technology, Delhi	Fashion Designing
2018	1	B.Sc.(Hons) Electronics	Electronics	Jivaji University, MP	BEd
2019	1	B.Sc.(Hons) Electronics	Electronics	Shrisuman University, Roorkee	BEd
2019	1	B.Sc.(Hons) Electronics	Electronics	Jivaji University, MP	BEd
2018	1	B.Sc.(Hons) Electronics	Electronics	Amity University	M.Sc Applied Physics
2018	1	B.SC (H) Computer Science	Computer Science	Jamia Milia Islamia University	Master of Business Application
2018	1	B.SC (H) Computer Science	Computer Science	Jamia Milia Islamia University	Master of Computer Application
2018	1	B.SC (H) Computer Science	Computer Science	Jawaharlal Nehru University	Master of Computer Application
2018	1	B.SC (H) Computer Science	Computer Science	National Institute of Technology,	Master of Computer Application

				Jameshedpur	
2018	1	B.SC (H) Computer Science	Computer Science	South Asian University	M.Sc Computer Science
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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
Any Other	23
<a href="#">View File</a>	

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

Activity	Level	Number of Participants
Yoga Camp for International Day	College Level	65
Sports conditioning programme for 7 to 10 days.	College Level	112
Daily sports coaching practice in Athletics , Aerobics, Athletics, Badminton, Basketball, Chess, Table Tennis, KhoKho, Volleyball and yoga	College Level	154
Inter Department tournament in all above mentioned sports.	College Level	300
Organize Inter college competition in Rhythmic and NonRhythmic Yoga, Aerobics, Badminton, Table Tennis, Khokho, Volleyball and Tug of war., for women and men during SPARDHAAthe sports fest.	Inter College/Delhi State	900
Organise yoga practice on Friday and Saturday for the members of transgender community as a part of Project Pehchaan initiated by our college society Enactus which works for empowerment of the transgender through skill enhancement so as to bring them	College Level	15
Sports day for underprivileged children from the nearby slum	Delhi Slums	45

areas in collaboration with NSS		
Independence Day Celebration	College Level	1000
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### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	First	National	0	1	0	Team
2019	First Position	National	1	0	0	Rupali Sharma
2019	First Position	National	1	0	0	Ms. Hanshika Chaudhary
2019	First Position	National	1	0	0	Kusum
2019	First Position	National	1	0	0	Muskan Tiwari
2019	First Position	National	1	0	0	Amisha
2019	First Position	National	1	0	0	Shakshi Rawat
2019	First Position	National	1	0	0	Mansi
2019	First Position	National	1	0	0	Manvi Varshney
2019	First Position	National	1	0	0	Akansha
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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)

The Student Council of Shaheed Rajguru College of Applied Sciences for Women is a democratically elected body of students' representatives that works in coordination with the College Principal, College Cultural Secretary, Student Advisor and other faculty members. The purpose of the student council is to give students an opportunity to develop leadership by organizing and carrying out college activities, like cultural meets, fests, student development programme, college trips and workshops. In addition to planning events that contribute to college spirit and community welfare, the student council is the voice of the student body. The student council helps to share students ideas, interests, and concerns with teachers and college principal. They often also help raise funds for collegewide activities, including social events, community projects, helping people in need and college reform. The student council represent students both within the institution and externally, including on local and national issues. Student council are also responsible for providing a variety of services to the students and raising their issues and complaints if



any. Throughout the academic session, Student Council organises various events, but two major events that are fairly popular amongst the students of SRCASW and all University of Delhi students are the Diwali Mela celebration and annual college cultural fest KARVAAN that is a two days event of cut throat competitions, haute cuisines, funfilled events, flagship fashion show MISS KARVAAN, etc. All the events are organised by various college societies that are supervised and sponsored by the College Student Council. Events like these act as a stress buster before exams and help strength bonds between the student communities as a whole. The Student's Council also comprises of various students societies like Mukhauta (street play society), philyra (music society), etc. that enrich the cultural and corporate life of the college providing opportunities to students to expand their horizons. These societies also provide a platform for participation of students in Intra College as well as Intercollege events under the Student Council. Besides cultural activities students are also working for society under NSS, Enactus, Unnat Bharat Abhiyaane.etc.. Some of the academic and administrative bodies that have student representatives include: • AntiRagging committee • Entrepreneurial Development Cell • ICC (Internal Complaints Committee) • EcoClub • North East Cell, etc. In session 2018-19 our fashion society Glamfire has won 10 First prizes, 3 Second prizes and 3 Third prizes in reputed universities and college all over India. Mukhauta the dramatic society, got selected in Sahitya Kala Parishad (SKP) in which only 16 teams were selected from whole Delhi University. Aarohana, the Indian choir of Philyra (Music society of SRCASW) bagged first position in IIT Roorkee's Annual Fest "Thomso 2k18" and second position in IIT Delhi'ssocialfest"Kaizen" held on March 2nd, 2019.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

500

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

133500

5.4.4 – Meetings/activities organized by Alumni Association :

1. Department of Biomedical Science organized a talk cum interactive session on "Genetic Counseling" by Ms. Kanika Bansal on 9th August 2018. 2. Food Technology Department organized a seminar on "Career and growth aspects of Food Technology" on 13 th September 2018. The eminent alumni were : • Ms. Meenakshi Taneja, RampD Head, Gogia chemicals Ltd, NOIDA. • Ms. Richa Bharti, Nutrition Scientist, PepsiCo in Research and Development. • Ms. Trishala Verma, Patent and Design Examiner. • Ms. Priyanka Rathi, Assistant Manager, Jubliant Foodworks, Noida. • The Computer Science Department organized an Alumni interaction activity 3. "Shrinkhala-2019" on 9 th February 2019. The event was graced by following eminent alumni: • Ms. Deeksha Tewari, Big Data Developer from Impetus Infotech. • Ms. Taleha Khan, TEDx Speaker, Software Test Engineer, Blogger, RJ, Food • Walks ,YouTuber , Influencer , Digital Marketing , Creative Technical Writer and Poet • Ms. Dhanshree Arora , Machine Learning Engineer , SpotDraft

#### CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The college practises decentralization and participative management at almost all levels. The top level constitutes the governing body of the college, which is the executive and major decisions concerning the welfare and development of the college are taken here. The Principal, two faculty representatives and a nonteaching representative are members of the governing body. Various committees are constituted in the staff council at the beginning of the academic session. Each of the committees has clear guidelines and task identified via the IQAC. The committees conduct regular meetings and hence participate in the decision making process. Many of the staff are involved in administrative, curricular and extracurricular activities. The admission committee, one of the staff council committees, constitutes of the teacherincharges of all departments along with conveners. The committee collectively identifies the intricacies of the admission for various courses under different categories. The entire procedure is discussed threadbare and related decisions taken collectively. The involvement of students and nonteaching staff enhances the efficiency of the entire process. The cultural committee, another staff council committee, plays an important role in managing the cultural activities of the college. The committee has faculty members and student representatives from the different college societies. The task of the committee is to manage and budget each of the college societies. It organises cultural events, competitions and activities to enhance the cultural environment of the college. Student participation is encouraged with each society electing its student President, treasurer and members. The committee decides the student participation in various intercollege and national competitions, as well as organising the Annual cultural festival of the college.

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	With the increase in number of courses in college from five to fourteen within a short span of three years, the Admission Process was decentralized with individual departments working with the admission conveners managing and verifying the process for the entire college. This recent initiative made the admission exercise more efficient and student friendly. Candidates seeking admission approached the respective departments directly which helped them in clearing their apprehensions too regarding the new curriculum that they were about to get enrolled in. The entire process was supported by a help desk team which guided students regarding documents required, attestation and online process. Due to these initiatives, the admission process has been extremely

	<p>successful and efficient despite a large increase in number of students getting admitted.</p>
Curriculum Development	<p>Curriculum is developed by University of Delhi with thorough discussion in its Academic and Executive Council meetings. College teachers actively participate in all Curriculum development and up gradation meetings held at their respective departments in the University. Regular feedback is taken from students, teachers, industry experts visiting the college. These suggestions are then conveyed by teachers representing college in various meetings held at university. The aim is to reduce the gap between skill set required in industry and research and the curriculum by regular upgradations. The college has always stressed on industry and research based curriculum which would provide better opportunities for students.</p>
Teaching and Learning	<p>Various learning activities such as peer learning, self-learning and knowledge transfer are carried out in the classes. In subjects involving complex and higher dimensional diagrams, teachers often use LCD projectors. Regular feedback is taken in the middle as well as at the end of the semester. Students are encouraged to take up summer internship projects to make their skills more enriched. Regular workshops, technical talks and sessions are conducted by experts to apprise students and staff of the latest developments taking place. Teachers often convey their contact hours to students who can approach them for further subject clarification. Experiential learning through research projects, surveys, internships etc. is strongly promoted. Learning through critical analysis of real life case studies, recent newspaper articles, book and literature reviews is also practiced.</p>
Examination and Evaluation	<p>End semester university examinations are conducted with utmost care and diligence by Staff Council appointed convener and coconvener. Apart from this, regular tests, assignments and presentations are conducted by respective teachers in their classes to prepare students for endterm exams. Students not scoring well in these are</p>

given an option of reappearing for the purpose of improvement. A single evaluation criterion is not enough to assess student's learning outcome. Direct as well as indirect methods are used to assess learning outcome of the students. Direct methods include written tests, assignments, quiz, performance in practical classes and presentations. On the other hand, indirect methods include discussions, vivavoce and attendance of the students. The rules, processes, categories of offences and corresponding penalties relating to adoption of unfair means by students are reviewed and subsequently revised to deter the students from adopting unfair means during the examinations. Faculty members form part of evaluation team at the University level to evaluate the answer sheets at respective centres so as to ensure timely declaration of results.

Research and Development

The faculty is continuously involved in research in accordance with their research area. The faculty strives continuously to be important contributors in the research community. The department imparts its students with the research skills so that they get an understanding about the research process. The faculty mentors the students to engage in paper presentations in various conferences and seminars. Besides research, each faculty take mentoring sessions with a particular set of students for their overall development. So, the department aims not only to provide rich academic knowledge and research but also develop students holistically. Faculty members participate in seminars, workshops and conferences to enhance their research aptitude and also publish research papers. To stimulate interest in research work among students, seminars by eminent scientists from various fields are organized. Additionally, students are inspired to participate in summer internships organized by the department where all faculty members too are involved. In this exercise, they learn to operate sophisticated instruments, improve their experimental hand and gain knowledge of research methodologies, including writing research papers and project reports.

<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>Computerized database of the books in the library, for easier search and retrieval of books ? The Reference Library includes reserve counters, overnight loans, photocopying service, reference services, interlibrary loans, journals and reference books and a special multimedia facility for accessing CDs and computers. ? The lending library houses WebOPAC for information search, paperback library and a print and nonprint media library.</p>
<p>Human Resource Management</p>	<p>College focuses on attracting, training, developing, motivating and retaining its human resources. The intention of the institution is to maximise the potential of each individual in their respective fields to the benefit of the institution and self. Team work is evident at the departmental level to accomplish task at hand with efficiency. Faculty members of the department are actively involved in different committees of the Staff Council, Staff Association and Student Societies. In addition, the students and teachers of the Department are active members of women development cell, ecoclub, and NSS. There are training and development programs for staff and students through workshops, FDPs, seminars, and skill enhancement sessions on regular basis. Frequent meetings and interactions are held with different stakeholders to exchange views and advices.</p>
<p>Industry Interaction / Collaboration</p>	<p>The departments encourage industry interaction and collaboration from various fields of the disciplines. Students are encouraged to take up an Internship with a research lab/organization/company as a work experience during their summer break. The institute collaborated with a mental health organization "Children's First". The students collaborated as mental health representatives and attended sessions in Children First Organization. They learned how to make their environment an emotionally safe place to live. All departments and research labs are encouraged to engage with organizations on projects that may be scientific/social/environmental/educational/ media based/ HRD related etc. This culture is nurtured and actively promoted. Short visits to industry (one</p>

day trips) and industrial tours are encouraged to give exposure to the students. It helps students gain real time experience on how industry operations are executed and enables to bridge the gap between theoretical learning practical training. It broadens the outlook of the students to different work cultures of different industries. The interaction with eminent scientist has provided a direction to the students with respect to their career opportunities according to their interests and calibre. The industrial tour to industries like Dabur, coca cola factory, SEBI, Delhi Milk Scheme, Gentle Diagnostics, NTPC, etc have exposed the students to the rigorous research and testing like before launch of a product in the pharmaceutical industry.

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

E-governance area	Details
Administration	The college admin shares notices and important circulars via emails and on the college website. Different forms for both staff and students have been made available on the college website. The process of purchases is online via the government portal GeM. The students have been provided with login facility on the college website. The admission cutoffs, timetables, student attendance and other information is readily available on the college website.
Finance and Accounts	The accounts department works on the principle of cashless transfer. The fees, sponsorships and contributions are all collected online. Similarly all transactions are routed via RTGS/NEFT.
Student Admission and Support	Admissions to the first year of undergraduate programme for all the courses are done through the University of Delhi portal. The department provides the merit list required for the admission in various categories on the college website so that students seeking admissions can easily access the latest information
Examination	The college is part of the centralized system of examination of the University of Delhi. Uploading of internal assessment, practical examination marks, Skill enhancement paper marks, AECC paper marks is done by the college

on University portal. For examinations as part of e-governance, the following steps were taken: (i) Superintendent and deputy superintendent were provided specific email ids for examination related communication between the college and Dean, examinations, University of Delhi (ii) All internal assessment marks and practical marks were uploaded on the portal provided by the University and award lists were generated for the same. (iii) Roll numbers of all college students were generated using the University portal.

**Planning and Development**

Departments have strived for adopting digital means for carrying out various departmental activities. This aims at saving time, increasing convenience, reducing resources' requirement, inducing transparency etc. Like, the computer department has its own inhouse application based on Android operating system which is named as "Adhikaar". It was developed by the students of department for conduction of departmental students' council election. Students vote their preferred candidate using this application which is installed on their mobile phones. Thereafter, the total count of votes is reflected on the centralized database as soon as the voting procedure is over. The college also employs electronic feedback system for introducing transparency in taking teachers' feedback. This would in turn enable the teachers to know their genuine area of improvement and they can work accordingly on it. The departments also publish its annual newsletters, magazines etc. in digital formats only to save paper, time, and money.

**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
2018	Dr.Indu Arora	Faculty Development Program on Sustainable Development	FDP	1500

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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	Faculty Development Program on the topic: Capitaline and Financial Shenanigans		15/09/2018	15/09/2018	29	0

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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
FDP on Use of Contemporary Tools, Techniques and Analysis Software Packages in Research,	2	04/05/2019	06/05/2019	2
FDP on Capitaline Plus and Financial Shenanigans	5	15/09/2018	15/09/2018	1
National Faculty Development Programme on "Research Methodology and Teaching Pedagogy" Teaching Learning Center,	1	30/04/2019	05/05/2019	6
Faculty Development Program on Introduction to	1	06/12/2018	07/12/2018	2



Big Data Analytics				
Cyber Security and Cyber Laws"1	1	25/03/2019	26/03/2019	2
Faculty Development Program on NETWORK SCIENCE: FOUNDATION OF SOCIAL NETWORK ANALYSIS	2	03/12/2018	08/12/2018	6
Faculty Development Programme (FDP) on Writing Research Proposals and Addressing IPR Issues	1	29/03/2019	30/03/2019	2
FDP Faculty Development Program on Sustainable Development	1	15/10/2018	22/10/2018	6
Faculty Development Program on " Biochemical Techniques" organized by Daulat Ram College, University of Delhi	1	10/07/2018	18/07/2018	7
Drosophila and Zebrafish model systems at Daulat Ram College, University of Delhi	1	28/05/2019	31/05/2019	4
Beat Pollution A workshop and Panel discussion organized by Daulat Ram College and Vivekanand College	1	06/06/2019	06/06/2019	1
A World Reorder: New Geometries, Fluid	1	08/01/2019	10/01/2019	3

Partnerships, Uncertain Outcomes organised by Ministry of External Affairs in partnership with Observer Research Foundation,				
India Banking Conclave	1	23/08/2019	24/08/2019	2
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
21	83	43	60

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> <li>• Wards of faculty members are exempted from paying the fee.</li> <li>• Admission to wards as prescribed by the University of Delhi rules.</li> <li>• Availability of facility of gymnasium.</li> </ul>	<ul style="list-style-type: none"> <li>• Wards of staff members are exempted from paying the fee.</li> <li>• Admission to wards as prescribed by the University of Delhi rules.</li> <li>• Availability of facility of gymnasium</li> </ul>	<ul style="list-style-type: none"> <li>• Students from economically weaker section of the society are helped financially from the corpus generated by the voluntary contribution of faculty staff members.</li> <li>• Availability of facility of gymnasium.</li> <li>• Self defence classes .</li> <li>• Physical education, yoga and meditation classes</li> </ul>

**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 financial audit is carried out each financial year.
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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
Dr. Punita Saxena and Dr. Radhika Bakshi	150000	Memorial award for Academic Excellence for two undergraduate Students of Mathematics and Biomedical Science
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6.4.3 – Total corpus fund generated

150000
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## 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	Chartered Accountant	Yes	Examiner Local Fund Account
Administrative	Yes	Chartered Accountant	Yes	Examiner Local Fund Account

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

Parents are invited for the orientation and Annual day celebrations. It gives the opportunity for parent and teacher meetings, Interactions with parents and guardians are essential for hostel admissions. An interaction with the parents of students who have a low percentage of attendance is initiated. The exercise is to understand and encourage students to actively associate with the college activities. The feedback from parents is sought actively. This gives the college an insight and forms the background for improvement.

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

The college consistently provides training and development programmes for its staff to update themselves on various problems and issues. 1. 2018 Ram Prabesh Rai Hindi KaKaryalaya Mein Prayog National Council for Training Social Research , NCTSR, Govt. of NCT of Delhi 2. 2018 A.R.Unni Krishnan RTI Act Capacity building (for nongazetted employees) National Council for Training Social Research , NCTSR, Govt. of NCT of Delhi 3. 2018 Chaman Giri Retirement Planning National Council for Training Social Research , NCTSR, Govt. of NCT of Delhi 4. 2019 Shashi Kumar Vigilance matters (including disciplinary proceedings) National Council for Training Social Research , NCTSR, Govt. of NCT of Delhi 5. 2019 Venika Gupta Complaint handling mechanism for sexual harassment committee members) National Council for Training Social Research , NCTSR, Govt. of NCT of Delhi 6. 2019 Chittj Awasthi Computer Operations National Council for Training Social Research , NCTSR, Govt. of NCT of Delhi 7. 2019 Chaman Giri Interpersonal skills Dos Donts: work place etiquettes National Council for Training Social Research , NCTSR, Govt. of NCT of Delhi 8. 2019 Manoj Pathak Cashless/ etransactions National Council for Training Social Research , NCTSR, Govt. of NCT of Delhi

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

1. Increase in number of undergraduate courses. 2. Exchange programs with International Universities. 3. Purchasing through centralised portals like Government e - Marketing and Government e portal.

### 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	Yes

### 6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	E-planning	28/02/2019	04/07/2018	30/06/2019	14

	Management				
2018	Forms for staff and students on college website	28/02/2019	16/04/2019	29/05/2019	4
2018	Website up gradation	05/12/2018	20/07/2018	30/06/2019	14
2018	Survey and enhancement of facilities for employees, alumni and students	28/02/2019	21/08/2018	01/02/2019	14
2019	Fire drill	28/02/2019	29/03/2019	29/03/2019	1500
2018	Organize Orientation/workshop Program for teaching and non-teaching staff.	28/02/2019	20/07/2018	30/06/2019	14
2018	Exchange programs with international universities	24/04/2018	24/04/2018	12/05/2019	14
2018	Students result analysis in detail	28/02/2019	05/09/2018	28/02/2019	14
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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
Movie Screening of "The Guide" and A Man's World	06/02/2019	06/02/2019	50	5
A workshop on "Know Your Rights"	14/01/2019	14/01/2019	100	5
Legal Literacy Programme on Sexual	30/07/2018	30/07/2018	66	4

Harassment at  
Work space

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

Shaheed Rajguru College has always remained active towards building a campus that works on conventional sources of energy for its daily power need. It also takes care of correct disposal and handling of wastes, in promoting effective recycling program and in insuring environment friendly supplies. The college aims at promoting sustainable and ecofriendly practices in the campus. Thus, institute takes an opportunity in redefining its environmental culture and in developing paradigms by creating sustainable solutions to the environmental, social and economic needs. With rainwater harvesting system and solar panels installed it has worked at finding the alternative source of energy that meets the power requirement in college and administrative buildings.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Rest Rooms	Yes	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
2018	0	1	11/06/2019	8	Workshop on Basic and Applied Science for School Students	Exposure of school students to laboratory instrumentation and advanced experiments	100
2018	0	1	29/08/2018	1	Leaflets on Everyday Facts related to Microbiology you didn't know	General awareness related to Microbiology	30

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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)
College prospectus	23/06/2019	This serves as a guide for the students. It enumerates details of the courses, the fee structure, facilities available in the college, the various student activities and societies of the college. It also enumerates the college regulations and ordinances.

## 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International Yoga Day	21/06/2018	21/06/2018	79
Legal Literacy Programme on Sexual Harassment at Workspace	30/07/2018	30/07/2018	66
International Youth Day	12/08/2018	12/08/2018	75
Graffiti competition for Electoral Literacy Club	06/09/2018	06/09/2018	118
Surgical Strike Day Celebration	29/09/2018	29/09/2018	76
Vigilance Week	29/10/2018	03/11/2018	151
Swachta Hi Sewa	01/10/2018	15/10/2018	122
Disaster Management Mock drill	08/01/2019	08/01/2019	90
Voter's awareness oath	25/01/2019	25/01/2019	98
Lecture on Disability Act	31/01/2019	31/01/2019	117
Blood Donation in University cell of DU	23/02/2019	23/02/2019	26
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## 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Solar Panels: The hostel area of college is installed with solar panels as a substitute for electricity using renewable resources. The project is extended to administrative buildings and the academic block as well.
Sensors for lights in washrooms: In order to prevent wastage of light we use lights that work on The sensors. There are three such sensors washrooms where

the functioning of the light occurs only in the presence of some person and gets switched off in the absence. With the success of this installation we are working to convert all the washrooms into 'sensor washrooms'.

Green waste crusher and composting unit has been procured by the college which shall convert garden waste, canteen and mess biodegradable waste to manure. This initiative shall reduce the amount of waste generated in the college campus.

**Rainwater Harvesting:** Rainwater harvesting system is installed in the administrative area. The purpose is to utilize the water coming from rain for different purposes like irrigating fields and gardens.

**Tree plantation and adoption drive:** Every year we aim at increasing the green cover of our college premise by involving students and teachers in large. This is conducted through plantation drives, sloganeering, and adoption.

**Herbal Garden:** College maintains its own herbal garden to create awareness on understanding the importance of herbal species in our daily live. This includes Tulsi, alovera, and Ashwagandha. We are working on increasing the number of species.

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

**Proper waste management:** The Departments have a dedicated decontamination area where all the experimental waste is collected and autoclaved before disposal. All the necessary bio safety measures are followed for disposal.

**Instrument maintenance:** All the instruments are periodically serviced, calibrated and maintained properly. The usage is monitored by entry in log books.

- **Green Campus Award -** College is actively involved in the tree plantation drives, planting saplings and motivating students by adopting them. This aims at two fold objective for creating awareness, sensitivity towards plantation, by increasing the green cover of the college. 'Pravridhi' - The Ecoclub of the college is also actively engaged in spreading awareness on eco-friendly way of sustainable living and substitutes. Currently college has variety of plant species like Ornamental Trees/shrubs: Bottle brush, Michelia (Champa), Neem, Peepal, Ashok, Kachnar, Jasmine (Chandni), Fruit trees: Amla, Guava, Zizyphus (ber), Mango (aam), Pomegranate (Anaar), Jamun, Moringa, Neem, Acacia (on the fringe boundary of the campus), Champa (michelia) etc.
- o We also maintain our own herbal garden to create awareness on understanding the importance of herbal species in our daily live.
- o For its extensive green cover college was recognized with green campus award presented at Delhi on 8th March 2017 commemorating the occasion of International Women's Day.
- **Incinerators:** Incinerators were established in 2016 in the washrooms of hostels for discarding sanitary pads. This was one of the good means and an initiative to prevent disposal of sanitary pads. Two incinerators are installed in the washrooms at hostels.

**Exposure to real life work environment:** To simulate and to provide exposure of the real life business environment in order to prepare students for the dynamic future, the department encourages its students to attend seminars and talks by the veterans in the industries. Students are also involved in decision making process and organizing various events. They are also encouraged and supported by the training and placement cell of the department to go for internships.

**Practical Understanding and Application of the knowledge:** The department focuses on enhancing the student's practical knowledge by giving them exposure towards the applied aspect of the subject. The students try to implement their knowledge gained into real life setting with the help of their practical, workshops, seminars, internships etc. experience where they gain relevant knowledge of their field in the real world.

**Mentoring:** For the students overall growth and development, apart from the course curriculum they are mentored by the faculty members on personal and

professional front. Their future career needs are taken care of and they are guided on various aspects. Enactus Enactus is the world's largest experiential learning platform dedicated to creating a better world while developing the next generation of entrepreneurial leaders and social innovators. The Enactus network of global business, academic and student leaders are unified by our vision—to create a better, more sustainable world. Shaheed Rajguru College of Applied Sciences is a premier institution for higher studies, under University of Delhi. Enactus Shaheed Rajguru College was established on 19th January, 2018 with an aim to create a positive impact in the surrounding society. Working with vigour and determination, it initiated project, Pehchaan to change the lives of the LGBTQIA through their entrepreneurial endeavour Sehej and an elaborate skill development program for the beneficiaries. Through Pehchaan, we aim to transform the lives of the LGBTQIA community and ensure their sustainable growth. Project Pehchaan endeavours to empower the LGBTQIA community by creating entrepreneurs under an organic, millet based food production and body care social enterprise, Sehej. Under Sehej, the goal is to make 100 natural products by the products by implementing various culinary innovations. As a result, Sehejs products are free from any chemicals, preservatives and emulsifiers thus setting us apart from our competitors. Simultaneously Enactus fosters growth among students through skill and personality development, which they gain by working with people from all walks of life. Students not just theoretically think of business plans, but through Enactus, those plans can actually implemented and worked upon. Enactus provides hands on leaning and training experience to students. The working of Enactus aligns with the main objective of the institution, that is to to pursue one's interests and aptitudes for the development of a holistic personality. The college envisages to build strong industry-academia bond, Enactus is the first step towards the vision. With Enactus, students are working as positive change agents, fulfilling the institution's mission to assimilate and disseminate practical strategies among future professionals and working for the betterment of the college and society as a whole.

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

<https://www.rajgurucollege.com/Good-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

One of the major achievements of the college is the excellent results. Several students were at the top ten positions in the university. The college has also making steady progress in terms of infrastructure. Several essential instruments have been added to our laboratories. Students have participated in several various inter college and intra college events. They have undertaken summer internships at various industrial and research institutes. Our vision is to enhance in terms of teaching and research, and to produce academically best students. The college provides such environment that enhances the learning and understanding process of the students. We ensure appropriate class sizes to maximize facultystudent and studentstudent interactions. To ensure academic effectiveness and quality of teaching, a regular feedback from the students is taken and the feedbacks are shared with the respective teachers to enhance their teaching skills. The college aims to strive for highest academic standards. It provides students with a strong industryacademia bond which helps them to apply the knowledge that they gain from the discipline in the practical field. The college also strives for promoting research among the students so that they can contribute their innovative ideas in the research community. More importantly, the college aims to shape its students as professionals so that



they can meet the present and future challenges and also give directions to others. The college from a holistic perspective strives towards making its students work as positive change agents in the new millennium. • We provide quality education to each and every student and work with them to feel the outcomes of team spirit, hard work and humanism. • We want to make sure that our students will not only enjoy their course from learning point of view but also see how their respective course helps them professionally. • We wish to create atmosphere where students become more efficient, self dependent and socially acceptable. • We as a teacher help our students to see the applications of their subjects in daily life and connect with the same.

Provide the weblink of the institution

<https://www.rajgurucollege.com>

### **8.Future Plans of Actions for Next Academic Year**

- Increase in sports facility.
- Increase in student intake strength of the college.
- Skill enhancement courses.
- Legal awareness programs
- DU one year certificate courses to be introduced.
- Short term value based courses to be introduced.
- Internship, in house/ outside trainings to be encouraged.
- Single use plastic to be reduced drastically.
- To start process for permanent recruitment of teaching and non-teaching staff.
- Use of e-resources such web links, research articles and e-books, videos lectures, 3-D animation for better understanding.
- Preparation classes for entrance examinations.
- An initiative for e-waste management.
- Special lectures and educational trips.
- Preparation of question Bank for entrance examinations.