

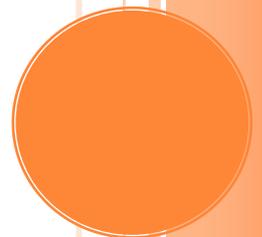


ANNUAL QUALITY ASSURANCE REPORT

(AQAR) 2016 - 17

Shaheed Rajguru College of Applied Sciences for Women

University of Delhi
Vasundhara Enclave
Delhi - 110096



AQAR 2016-17

The Annual Quality Assurance Report (AQAR) of the IQAC

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Part – A

1. Details of the Institution

1.1 Name of the Institution	Shaheed Rajguru College of Applied Sciences for Women
1.2 Address Line 1	Vasundhara Enclave
Address Line 2	East Delhi
City/Town	Delhi
State	Delhi
Pin Code	110096
Institution e-mail address	principal@rajguru.du.ac.in
Contact Nos.	011 – 22623503, 22623504
Name of the Head of the Institution	Dr. Payal Mago
Tel. No. with STD Code	011 – 22623503, 22623504
Mobile	8800672660
Name of the IQAC Co-ordinator	Ms. Venika Gupta
Mobile	9953469945
IQAC e-mail address	iqac@rajguru.du.ac.in
1.3 NAAC Track ID (For ex. MHC0GN 18879)	DLC0GN21990
1.4 NAAC Executive Committee No. & Date (For Example EC/32/A&A/143 dated 3-5-2004. This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)	EC (SC)/10/A&A/56.1 dated 15 th November 2015
1.5 Website address	www.rajgurucollege.com
Web-link of the AQAR	http://www.rajgurucollege.com/AQAR-Reports

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

S.No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A	3.11	2015	5 years
2	2 nd Cycle	NA			
3	3 rd Cycle	NA			
4	4 th Cycle	NA			

1.7 Date of Establishment of IQAC: DD/MM/YYYY

06/2016

1.8 AQAR for the year (for example 2010-11)

2016 - 17

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

- i. AQAR 23.12.2016 (DD/MM/YYYY)
ii. AQAR NA (DD/MM/YYYY)
iii. AQAR NA (DD/MM/YYYY)
iv. AQAR NA (DD/MM/YYYY)

1.10 Institutional Status

University	State	<input type="checkbox"/>	Central	<input checked="" type="checkbox"/>	Deemed	<input type="checkbox"/>	Private	<input type="checkbox"/>
Affiliated College	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Constituent College	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Autonomous college of UGC	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Regulatory Agency approved Institution (eg. AICTE, BCI, MCI, PCI, NCI)	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>				
Type of Institution	Co-education	<input type="checkbox"/>	Men	<input type="checkbox"/>	Women	<input checked="" type="checkbox"/>		
	Urban	<input checked="" type="checkbox"/>	Rural	<input type="checkbox"/>	Tribal	<input type="checkbox"/>		
Financial Status	Grant-in-aid	<input checked="" type="checkbox"/>	UGC 2(f)	<input checked="" type="checkbox"/>	UGC 12B	<input checked="" type="checkbox"/>		
	Grant-in-aid + Self Financing	<input type="checkbox"/>	Totally Self-financing	<input type="checkbox"/>				

1.11 Type of Faculty/Programme

Arts	<input type="checkbox"/>	Science	<input checked="" type="checkbox"/>	Commerce	<input type="checkbox"/>	Law	<input type="checkbox"/>	PEI (Phys Edu)	<input type="checkbox"/>
TEI (Edu)	<input type="checkbox"/>	Engineering	<input type="checkbox"/>	Health Science	<input type="checkbox"/>	Management	<input type="checkbox"/>		
Others (Specify)	<input type="text" value="Applied Sciences"/>								

1.12 Name of the Affiliating University (for the Colleges)

University of Delhi

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc.

Autonomy by State/Central Govt. / University

NA

University with Potential for Excellence	<input type="text" value="--"/>	UGC-CPE	<input type="text" value="--"/>
DST Star Scheme	<input type="text" value="--"/>	UGC-CE	<input type="text" value="--"/>
UGC-Special Assistance Programme	<input type="text" value="--"/>	DST-FIST	<input type="text" value="--"/>
UGC-Innovative PG programmes	<input type="text" value="--"/>	Any other	<input type="text" value="DBT Star Scheme"/>
UGC-COP Programmes	<input type="text" value="--"/>		

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="06"/>		
2.2 No. of Administrative/Technical staff	<input type="text" value="01"/>		
2.3 No. of students	<input type="text" value="Nil"/>		
2.4 No. of Management representative	<input type="text" value="01"/>		
2.5 No. of Alumni	<input type="text" value="01"/>		
2.6 No. of any other stakeholder and community representatives	<input type="text" value="--"/>		
2.7 No. of Employers/ Industrialists	<input type="text" value="01"/>		
2.8 No. of other External Experts	<input type="text" value="01"/>		
2.9 Total No. of members	<input type="text" value="10"/>		
2.10 No. of IQAC meetings held	<input type="text" value="02"/>		
2.11 No. of meetings with various stakeholders:			
Students	<input type="text" value="5"/>	Faculty	<input type="text" value="03"/>
Non-Teaching Staff	<input type="text" value="02"/>	Alumni	<input type="text" value="01"/>
		Others	<input type="text" value="05"/>
2.12 Has IQAC received any funding from UGC during the year?	Yes	<input checked="" type="checkbox"/>	No <input type="checkbox"/>
If yes, mention the amount	<input type="text" value="1.5 Lakh"/>		
2.13 Seminars and Conferences (only quality related)			

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total No. International National State Institution Level

(ii) Themes

National level *

- Recent Trends in Electronics and Instrumentation (RTIE)
- Understanding the Mechanism & Challenges of Complex Diseases (UMCCD-2)
- Drug Discovery Technology-Computational Approach

Institutional Level*

- Career crises and counselling in today's time
- Personality Development – The Practical Way
- Mental Health awareness
- Cashless transaction
- Basic Food-handling and Storage
- PCOD Polycystic Ovary Disorder
- English Communication classes

* Annexure VI

2.14 Significant Activities and contributions made by IQAC

- Roles and Guidelines for the various staff council committees were formalized.
- In-house Software was developed by the students of the college for central data bank to store student's data, also collection of alumni data is in process.
- Student Council Constitution was formulated.
- Workshop on Introduction to Microsoft Office – Essentials to develop office performance skills was organized for the non-teaching staff.
- Workshop on Drug discovery was organised for the students and faculty.
- Inter college sports day "Spardha" was organised for the first time.
- Concept of credit hours was introduced to encourage students to participate in extra and co-curricular activities.
- An informal meeting of the teaching staff in the form of "Happy Club" was initiated.
- Result analysis including Teacher specific analysis was carried out.
- Healthy Bites – an Entrepreneurship Development Cell initiative for healthy snacks for students and college staff was undertaken.
- E-magazines "ENIAC-Times"
- An annual magazine on various trends in the field of Life Science. The 2016 theme was Radiopharmaceutical.

- Coaches were appointed for ensuring quality sports activities.
- Documentation of various activities leading to quality improvement.
- Statistical analysis of teacher's feedback undertaken.
- To increase visibility of the college on e-media a face- book page was created.
- Value added programs like social service, sporting activities etc were encouraged.
- Working towards Quality enhancement in all aspects of the college.

2.15 Plan of Action by IQAC/Outcome

Plan of Action and Achievements.

• **Documentation of the various programmes/activities**

- The role and guidelines for the different committees of the college were identified and documented.
- Formats for storing and retrieving information for different activities were drafted.
- Student council constitution was formulated

• **Skill Enhancement**

- Conducted workshops for skill enhancement for students as well as non-teaching staff.*
- Seminars/talks to give insight into the vast technological world.*

• **Infrastructure Development**

- CCTV cameras were installed in the hostel for enhancing the security of the resident students.
- The gymnasium facility was enhanced.
- Locker facility for all day scholar students is provided for their convenience.

• **Social Initiatives**

- Project on Sanitation and health involving slum dwellers and street vendors was undertaken.
- No cracker campaign during Diwali.
- Computer Literacy Program (CLP) started by college students for teaching basic Computer Science to under-privileged girls of nearby areas.*
- Digital Empowerment for Homemakers was undertaken*

• **Student Centric additional facilities**

- Scholarships and fee concessions for economically weak and meritorious students.
- Attendance for students participating in extra and co-curricular activities was streamlined.
- A doctor is available in the college premises on regular basis for students' medical needs.
- A full time Psychologist was appointed specifically for student's consultation.
- University special bus is available to help students in commuting to and fro from homes.

- Motivating students to go for start-ups and become entrepreneurs.
 - Self defence classes were organized for the students.
 - The overall personality and team spirit of the students is groomed through various conditioning program/workshop with an objective to increase the number of students for participation in various extra-Curricular, Co-curricular Activities, Inter / Intra College competition etc.
 - **Feedback from stakeholders.**
 - Formulated and reworked the feedback form.
 - On-line feedback was collected; analysed and appropriate action was taken.
- *Annexure-VI

** Annexure –I (Academic Calendar of the year2016-17)*

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate any other body

Provide the details of the action taken

The AQAR 2016-17 was placed in the Governing Body meeting on the 19th of December 2017 and was approved.

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	--	--	--	--
PG	--	--	--	--
UG	9 B.Tech (4); B.Sc.(5)	03		
PG Diploma	--	--	--	--
Advanced Diploma	--	--	--	--
Diploma	--	--	--	--
Certificate	--	--	--	--
Others	01		--	--
Total	10	03	--	--

Interdisciplinary	--	--	--	--
Innovative	--	--	--	--

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options --All

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	12
Trimester	0
Annual	0

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

Mode of feedback : Online Manual Co-operating schools (for PEI)

* *Annexure –II (Feedback Analysis)*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Revision and Update is done at University Level, as per rules in-force. During the last 3 years there has been revision.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

The introduction of three new courses at the undergraduate level, lead to up-gradation of three departments, namely Physics, Chemistry and Mathematics.

The vision of the **Chemistry** department is to inculcate enthusiasm, passion and interest amongst the students towards the contribution of chemical sciences in the progress of the nation. The department proposes to carry out research and scholarly work with relevance to contemporary problems faced by society and industry. The department has three well- equipped laboratories including a research laboratory. The labs are well equipped with various instruments like uv-vis spectrophotometer, electronic balances, centrifuge-microprocessor based-16,000 rpm, magnetic stirrers with hot plate, vortex shaker, rotary vacuum pumps, digital pH-meter, conductivity meters, digital and electric melting point apparatus, distillation units, fume-hood etc.

The **Physics** department has state-of-the-art research lab, wherein the students build their foundation on the principles of physics thereby enhancing their scientific temperament. It has equipment like He-Ne laser, polarimeter, vacuum coating unit, electrical bridges, oscilloscopes, resistance meters, function generators, power supplies, optical benches etc. to aid the learning process and meet the practical needs of the students. The Physics department trains the students to become competent and motivated physicists.

The department of **Mathematics** is well equipped with labs having high-speed P-IV computers and broadband facility. The systems are installed with mathematical and statistical software such as MATLAB and SPSS.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
21	11	10	-	-

2.2 No. of permanent faculty with Ph.D.

16

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
-	35	-	-	-	-	-	-	-	35

2.4 No. of Guest and Visiting faculty and Temporary faculty

52

--

--

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars	10	31	3
Presented papers	13	23	--
Resource Persons	--	10	23

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Constructive interaction between students and faculty which goes beyond the classrooms.
- Various discussion groups are created involving the whole class. Information or articles related to subject/general importance are circulated in the groups.
- Students who need additional help are provided by the faculty.
- Use of ICT enabled classrooms and laboratories for showing animations, realistic video recordings, 3D diagrams, etc. to further enrich the teaching and learning process.
- Group Discussions, Peer Learning and Self Learning activities are carried out in the classes to improve the overall learning process of students.
- Students are evaluated based on both internal assessment (continuous evaluation) and on the basis of their performance in end term examination.
- Hands on training on various sophisticated equipments as per requirement are provided to the students.
- In-house research oriented projects and summer projects are undertaken by undergraduate students during vacations.
- Regular demonstration of video lectures from open courseware like spokentutorials.org.in, ocw.mit.edu etc.

- Workshops are organized regularly for giving hands on experience on latest instruments.
- Regular industrial interaction in the form of industrial visits and talks/seminars are undertaken.
- The faculty takes part in Faculty development programs, conferences, workshops etc to update themselves regularly.

2.7 Total No. of actual teaching days
During this academic year

181 days

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, and Online Multiple Choice Questions)

- Internal assessment is based on several aspects like presentation, seminars, quizzes, projects, assignments, open book tests, MCQs etc.
- End semester exams are conducted as per University norms.

2.9 No. of faculty members involved in curriculum restructuring/ revision/ syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

10	2	2
----	---	---

2.10 Average percentage of attendance of students

70.9 %

2.11 Course/Programme wise distribution of pass percentage.

B.Tech Final Year (2013-2017)							
Title of the Programme	Total number of students appeared	Distinction (Above 75%)	Division			Pass	Pass %
			I	II	III		
B.Tech. Computer Science	76	64	74	2	0	76	97.4%
B.Tech. Electronics	35	12	27	3	0	30	85.7%
B.Tech. Food Technology	52	38	46	5	1	52	100%
B.Tech. Instrumentation	33	20	26	05	0	31	93.93%
Total	198	134	173	15	1	189	95.45%

B.Sc. (H) Final Year (2014-2017)							
Title of the Programme	Total number of students appeared	Distinction (Above 75%)	Division			Pass	Pass%
			I	II	III		
B.Sc. (H) Biomedical Science	30	14	27	2	0	29	96.6%
B.Sc. (H) Computer Science	58	31	21	1	0	53	91.1%
B.Sc. (H) Electronics	35	11	27	4	0	31	88.6%
B.Sc. (H) Food Technology	33	18	30	3	0	33	100%
B.Sc. (H) Instrumentation	55	08	33	06	0	47	85.5%
Total	211	82	138	16	0	193	91.47%

B.Sc. (H) Second Year CBCS (2015-18)						
Title of the Programme	Total number of students appeared	CGPA			Pass	Pass%
		10-7	6.9-5	4-4.9		
B.Sc. (H) Biomedical Science	36	16	17	2	35	97.2%
B.Sc. (H) Computer Science	68	55	9	1	66	95.6%
B.Sc. (H) Electronics	44	26	11	0	37	84%
B.Sc. (H) Food Technology	30	22	6	2	30	100%
B.Sc. (H) Instrumentation	34	19	13	02	31	91.2%
Total	212	138	56	7	198	93.4%

B.Sc. (H) First Year CBCS (2016-19)						
Title of the Programme	Total number of students appeared	CGPA			Pass	Pass%
		10-7	6.9-5	4-4.9		
B.Sc. (H) Biomedical Science	26	11	14	1	26	100%
B.Sc.(H) Computer Science	40	23	8	2	34	82.5%
B.Sc. (H) Electronics	37	23	9	0	37	86.5%
B.Sc.(H) Food Technology	31	24	7	0	29	94%
B.Sc. (H) Instrumentation	26	16	7	2	23	88.5%
B.Sc. (H) Physics	44	21	18	5	42	95%
B.Sc. (H) Chemistry	31	21	7	1	28	90%
B.Sc. (H) Mathematics	51	26	22	03	49	96%
Total	286	165	92	14	268	93.7%

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

<p>The IQAC is actively associated in enhancing the teaching and learning processes via:</p> <ul style="list-style-type: none"> • Internal Assessments • Feedback from students on faculty and infrastructure. • Analysis on feedback and taking appropriate action. • Results analysis. • Remedial Classes. • Conferences/Workshops/Seminars/Talks/Educational trips/Industrial trips • Mentoring of individual student.
--

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Program	Number of faculty benefitted
Refresher courses	NA
UGC – Faculty Improvement Program	-
HRD program	-
Orientation program	NA
Faculty exchange program	-
Staff training conducted by the university	2
Staff training conducted by other institutions	6
Summer / Winter schools, Workshops, etc.	23
Others	3

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	23	06	Nil	Nil
Technical Staff	19	26	2	Nil

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

<ul style="list-style-type: none"> Students and faculty members are motivated to take up 1-2 months projects related to curriculum and summer internships with emphasis on real life applications. Support is provided for conferences/seminars/workshops. Access to online journals and magazines is available in the library. Research labs are available for students and research scholars.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number		3		
Outlay in Rs. Lakhs			55.999 lacs	

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	15			
Outlay in Rs. Lakhs	62.67348			

3.4 Details on research publications*

	International	National	Others
Peer Review Journals	16	1	Nil
Non-Peer Review Journals	Nil	Nil	Nil
e-Journals	Nil	Nil	Nil
Conference proceedings	12	10	Nil

*Annexure- iii (Research publications)

3.5 Details on Impact factor of publications

Range	0 – 7.5	Average	3.29	h-index	96	Nos. in SCOPUS	8
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3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations*

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	3 years	DST	23.3 lacs	5 lacs
	3 years	DST-SERB	28.699 lacs	17.16930 lacs
Minor Projects				
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College	1.5	University of Delhi	75.5lacs	62.67348lacs
Students research projects (other than compulsory by the University)				
Any other(Specify)	3	DBT	21 lacs	6 lacs
Total				

***Annexure –IV (Research Projects)**

3.7 No. of books published i) With ISBN No. Chapters in Edited Books*
 ii) Without ISBN No. *Annexure-III

3.8 No. of University Departments receiving funds from NA

UGC-SAP CAS DST-FIST
 DPE DBT Scheme/funds

3.9 For colleges
 Autonomy CPE DBT Star Scheme
 INSPIRE E Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	0	2			
Sponsoring agencies		DBT, DST,UGC,IEEE EDS Chapter, TIPZ IN			

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From funding agency From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	0
	Granted	0
International	Applied	0
	Granted	0
Commercialised	Applied	0
	Granted	0

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist	College
3	1		1	1		

3.18 No. of faculty from the Institution who are Ph. D. Guides
and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
National level International level

3.22 No. of students participated in NCC events:

University level State level
National level International level

3.23 No. of Awards won in NSS:

University level State level

National level International level

3.24 No. of Awards won in NCC:

University level State level

National level International level

3.25 No. of Extension activities organized

University forum College forum

NCC NSS Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility *

S.No.	Activity
	Organisation of Workshop on “Wonders of Science”; for middle level school students of East Delhi region.
2.	Industrial Visits to Dabur Industries, NBRC Manesar.
3.	‘Ek Bharat Shreshtha Bharat Programme ‘a student exchange program where the college played host to ten students from Sikkim Science college, Chakung, West Sikkim from 8 th April to 18 th April 2017.
4.	Project on Sanitation and health involving slum dwellers and street vendors was undertaken
5.	For awareness on environmental issues “No cracker campaign” was organized during Diwali.
6.	A Computer Literacy Program (CLP) on basic Computer Science to under-privileged girls of nearby areas was initiated.
7.	Two days workshop on cashless transaction for non-teaching and housekeeping staff was organized on 19-20 December 2016.
8.	A seminar was conducted on Introduction to MATLAB and SIMULINK to enlighten the students on the important tool used in many academic institutions and industries to achieve optimized results in problem solving situation on 9 th August 2016
9.	Two days National Conference entitled “Recent trends in Electronics and Instrumentation” was organized by Department of Instrumentation and Department of Electronics on 5 th -6 th October 2016.
10.	Department of Electronics organised its Annual Technical fest "Electromania Ablaze" in October 2016.
11.	A talk was organized on "Personality Development - The Practical Way" on various fields open for

	students after graduation; the Challenges one faces in their professional growth and how to overcome those challenges on 14 th Jan 2017
12.	One day industrial visit on 2 nd March 2017 was organised to "SSPL-Solid State Physics Laboratory". SSPL is a laboratory under the Defence Research & Development Organization (DRDO). The visit exposed the students to the technical aspects of electronic materials. It gave an insight to characterization, synthesizing and fabrication part of the material.
13.	Department of Instrumentation organized its annual technical fest, Technexus 2k16, on 20th October'2016.
14.	A three day workshop on "Multisim Software" from 7th - 9th June 2017 was organized for the students.
15.	Department of Physics organized a workshop on "Computer Interfaced Science Experiments" using expeyes.in on 26 th September 2016. Eminent Speaker for the workshop was Dr. B. P. Ajith Kumar, Scientist-H of Inter University Accelerator Centre, New Delhi.
16.	The students visited various research laboratories of National Physical Laboratory (NPL), New Delhi on 05 th January 2017. There they had discussions with eminent scientists and got an opportunity to meet Dr. R. K. Kotnala (Scientist-H) who discovered Hydro-electric cell that runs on water only.
17.	On the occasion of National Science Day celebrations on 28 th February 2017, a few students of our college visited the research labs of Inter University Accelerator Centre (IUAC), New Delhi. There they learnt about some of the modern techniques like Control & function of Pelletron Accelerator, RBS, AMS-Carbon Dating, PIXE, X-ray diffraction, AFM, SEM, HYRA, NAND.
18.	Dr. S. Lakshmi Devi, Founder Principal, delivered a talk on SUCCESS, where the students were taught to appreciate small moments of happiness and achievement.
19.	15 days workshop on "Introduction to Microsoft Office – Essentials" to develop office performance skills was organized by the faculty for the non-teaching staff from 28 November – 16 December 2016.
20.	A training programme of 10 days on office performance skills was organized for the non-teaching staff from 28 November – 7 December 2017.
21.	One day programme on financial planning and investments.
22.	Placement Cell collaborated with AMCAT for conducting skill assessment test of students for employability
23.	Industrial visits to familiarize students with the industrial environment were organized to NDRI on 3 March 2017, MOTHER DAIRY plant on 6 April 2017 and GOGIA Chemical Pvt. Ltd. On 10 April 2017.
24.	Organised various workshops like basic computer skills and internet technologies. Also, conducted English learning classes for them.

25.	Entrepreneurship development talks by experts
26.	The fifteen Innovation Projects funded by Delhi University were successfully completed.
27.	The students themselves collect kitchen waste from college canteen, staff quarters and mess for vermi-composting. Vermi-composting is used to make manure out of the waste.
28.	70th Independence Day Celebration -Slogan Writing Competition on the topic "Yaad karo kurbani" & "Aazadi 70".
29.	Talk on Vermi-composting was organised on 12 th April, 2017.
30.	Waste Segregation involving rag-pickers was undertaken so as to educate such individuals to follow healthy and safe practices.
31.	International Yoga Day was celebrated on-21 June,2016.
32.	Student Volunteering during College Admission -July, 2016 was encouraged.
33.	Swachhta Abhiyan campaign was enthusiastically undertaken by students on 1 - 15 Sept2016 .
34.	Old Age Home and an Orphanage Visit on the eve of Diwali on 27 th October 2016 was undertaken. Distribution of sweets and celebration with rangoli making and a short awareness session on NO USE OF CRACKERS was undertaken.
35.	NSS Orientation program was organised on 19 September, 2016.
36.	NSS Day Celebrations on 24th September,2016 had the theme "Ill Effect of Drug Addiction".
37.	Plastic Collection for use in making innovative articles campaign was held from 24 th October to 26 th October 2016.
38.	Fund Raising for round the year NSS activities by putting up different stalls on Diwali Mela in the college.
39.	Ekta Divas was Observed on 3 rd November, 2016.
40.	IRSC (Indian Road Safety Campaign) Orientation: An awareness talk on road safety on 25 October, 2016.
41.	10-day Self Defence Camp in organised in February, 2017.
42.	Vittiya Saksherta Abhiyan/workshop: 12 Dec.-12 Jan. Classes for College's non-teaching staff and "Safayi Karamchari" and use of different cashless mediums in the neighbourhood and around the DDA Market.
43.	Matdata Month Observation. October, 2016.
44.	Collection of Stationary/ Winter clothes 22 September 2016 and later distribution among needy persons in Dallupura and Kalyanpuri areas.
45.	HIV/AIDS Seminar: on 3 rd February, 2017.

46.	Voter's Day Celebration: 25th January 2017.
47.	Mental Health Awareness Seminar: on 3 rd March 2017.
48.	Talk on PCOD (Polycystic Ovarian Disease): on 7 th April, 2017.
49.	Eye Check-up Camp: on 11 th April, 2017.
50.	Technical fest were organised for various departments Computer Science "Tech Milange"; Biomedical Sciences "Plexsus".

***Annexure- VI**

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	35000 Sqm	Nil	Funded by NCT of Delhi	35000 Sqm
Class rooms	17	Nil	-do-	17
Laboratories	37	1	-do-	38
Seminar Halls	03	Nil	-do-	03
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	NA	3	-do-	3
Value of the equipment purchased during the year (Rs. in Lakhs)	8,45,51,996.93	74,18,966.0	-do-	9,19,70,962.93
Others	Nil	Nil	-do-	Nil

4.2 Computerization of administration and library

The college administration is computerized. The computer systems of the administration and the various departments are all connected via the LAN. The office personal are competent to use the computer system. Time to time they are encouraged to undergo training to upgrade themselves,

The college library is automated with RFID (Radio Frequency Identification system) technology, which is being used for library housekeeping operation. The system moves to combine security with more efficient tracking of books throughout the library, including easier and faster charge and discharge, inventorying and material handling. The automated book drop kiosk are being used for easier return of books. The RFID system includes self-circulation desk, staff work station, security gate, book drop box, RFID reader, RFID sticker for Book, RFID enabled member card and SMS services in each book transaction.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	14997	11817411	1263	3467471	16260	15284882
Reference Books	1666	1313045	98	693997	1764	2007042
e-Books	135000	5000	--	5000	135000	5000
Journals	26	3288376	(-25)(1)	950	1	3289326
e-Journals	5000+42000	5000	Nil	5000	5000+42000	5000
Digital Database	24	--	Nil	--	24	--
CD & Video	45	5175	34	11237	79	16412
Others (specify)						

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	586 (Including laptops)	8 Nos.	Internet Facility throughout campus (Wi Fi/LAN)	Library : 3	3	Servers – 3. Printer- 6 Laptop- 3	LCD Project or : 15 Printers: 28 Laptop : 16. Server 5	library automation software package and RFID enabled
Added	0							
Total	586	5	Available	3	3			

4.5 Computer, Internet access, training to teachers and students and any other programme for technology Up-gradation. (Networking, e-Governance etc.)

- A seminar was conducted on Introduction to MATLAB and SIMULINK to enlighten the students on the important tool used in many academic institutions and industries to achieve optimized results in problem solving situations on 9th August 2016.
- A three day workshop on “Multisim Software” from 7th - 9th June 2017 was organized for the students.
- Orientation program for library facilities and utility for the fresher’s is conducted.
- A mobile app was developed in-house for student attendance.

- “ENIAC-Times” serves as medium of information of various departmental activities and is an opportunity for students to plan more innovative activities, to combine technical and creative skills, to keep them abreast of current trends in technology and to motivate them to learn and move beyond books.

4.6 Amount spent on maintenance in lakhs:

i) ICT	2.478540
ii) Campus Infrastructure and facilities	Maintained by PWD
iii) Equipments	70.23341
iv) Others	1149.48606
Total :	1222.19801

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Notice boards
- College Website
- Display boards.
- Student-faculty meetings.
- Discussions, student-faculty societies.
- Classroom announcements.
- Student Union and Student Societies.
- Online admissions and the corresponding information.

5.2 Efforts made by the institution for tracking the progression

- The college has Supervisory committee and Grievance Committee for tracking progression.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1187	NA	3	NA

(b) No. of students outside the state

330

(c) No. of international students

04

Total:	No	%	Men	No	%	Women
	NA	NA		1187	100	

Last Year (2016 – 17)						This Year (2017 – 18)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
630	107	20	230	-	987	726	167	26	268	-	1187

Demand ratio NA

Dropout % - 13.4% (2016-17)

5.4 Details of student support mechanism for coaching for competitive examinations (If any) NA

No. of students beneficiaries

NA

5.5 No. of students qualified in these examinations

NET	NA	SET/SLET	NA	GATE	15	CAT	01
IAS/IPS etc	--	State PSC	--	UPSC	15	Others	01

5.6 Details of student counselling and career guidance

- Mentors provide guidance to students for options and preparation for their careers.
- Alumnae are invited to provide insight into personality skills they need to acquire and career options open to them.
- English proficiency classes are held with the aim to improve English communication and interactive skills.
- A mentor programme to guide students for further future prospects and to also provide feedback in case of queries regarding academics as well as non-academics.
- A talk was organized on "Personality Development - The Practical Way" on various fields open

for students after graduation, the Challenges one faces in their professional growth and how to overcome those challenges.

- A talk on SUCCESS, where the students were taught to appreciate small moments of happiness and achievement.
- An hour long interactive seminar on Managing stress and mental health was organized.
- A seminar on ‘Secret of Success from the Vedas’ was organized.
- Talks or counselling sessions by some premier coaching institutions have been organized to acquaint students with structure and scope of various competitive exams after under-graduate studies
- College library also has a number of books specially dedicated for competitive exam preparation
- Yoga & meditation and personality development programmes were organised.

No. of students benefitted

500+

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed#
4	200 approx	12	26
<ul style="list-style-type: none"> • Exide Life • Amazon BPO • Tevatron Technologies • Head Start IBM 		<ul style="list-style-type: none"> • Exide Life (1) • Head Start IBM(7) • Tevatron Technologies(4) 	(both off campus & off campus job opportunities offered based on AMCAT skill assessment test)

Most students opt for higher education.

5.8 Details of gender sensitization programmes

- Talk on PCOD (Polycystic Ovarian Disease) to familiarize teenage girls about the disease.
- In association with SEWA (Self Employed Women’s Association) organised a seminar on career counselling about the need of developing job oriented skills along with their academic curriculum.
- Along with an organisation Actozen, organised interactive seminar on Managing stress and

mental health covering issues like body positivity etc.

- Self defence classes were organized for the students.
- The Women Development Cell of the college has initiated the process of appointing a “Gender Champion” amongst the students.

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	71	6,05,570/-
Financial support from government		
Financial support from other sources	7 1	89,140/- 15,000/-
Number of students who received International/ National recognitions	--	--

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

- Literacy drive: About 30 poor students are benefitting from this drive.
- Collection drive: Woollen and stationary were distributed to the needy.
- Sports day for under-privileged kids.
- Quiz on Road Safety.
- Participation in National Youth Forum on Drug Use Prevention.
- Vittiya Saksherta Abhiyan.
- IRSC (Indian Road Safety Campaign)
- Exchange program with students from Sikkim
- Computer Literacy Program(CLP) for under-privileged girls on basic Computer Science.
- Digital Empowerment for Homemakers.

5.13 Major grievances of students (if any) redressed:

No major grievance was received. Minor problems reported were resolved.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision : To establish the college as a seat of high learning for jobs / entrepreneurial oriented education imbining strong ethical values with the aim of inculcation and self reliance in young women and to make them enlightened citizens of tomorrow.

Mission: To build & nurture a new generation of well-rounded professionals who can work as positive change agents in the new millennium. It will be our endeavour to assimilate and disseminate practical strategies to future professionals and to encourage their understanding of strategic perception to fulfil the mission of the organisation in the fast changing global environment.

6.2 Does the Institution has a management Information System

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

The curriculum of all courses is set by the University of Delhi.

- Faculty members of Electronics Department participate in discussions related to curriculum designing and syllabus revision and method of evaluation at University meetings.
- Faculty members contributed in designing of the new syllabus for B.Sc.(Hons.) Instrumentation

(CBCS Mode semester system), University of Delhi.

- Faculty members of Biomedical Science participated in design of new syllabus for B.Sc. (H) Biomedical Science (CBCS).

6.3.2 Teaching and Learning

- Constructive interaction between students and faculty which goes beyond the classrooms.
- Use of ICT enabled classrooms and laboratories for showing animations, realistic video recordings, 3D diagrams, etc. to further enrich the teaching and learning process.
- Tutorials and assignments are encouraged.
- Group Discussions, Peer Learning and Self Learning activities are carried out in the classes to improve the overall learning process of students.
- Hands on training on various sophisticated equipments as per requirement are provided to the students.
- Regular demonstration of video lectures from open courseware like spokentutorials.org.in, ocw.mit.edu etc.
- Example based teaching, Regular discussion in class, Random question answer, problems solving, Involvement with students to develop scientific temper, Setting up of examples used in daily life related to course content.
- In order to inculcate the spirit of team work in the students, the class was divided into groups of 6-7 each. The presentations, discussion of problems (academic) and worksheets and assignments were carried out by the students. Working in groups removed the fear of public speaking in many students. They felt more confident.
- Workshops are organized regularly for giving hands on experience on latest instruments.
- Regular industrial interaction in the form of industrial visits and talks/seminars are undertaken.

6.3.3 Examination and Evaluation

The process for Examination and Evaluation, as set by the University of Delhi, is adhered to by the college strictly.

6.3.4 Research and Development

- Two days National Conference entitled “Recent Trends in Electronics and Instrumentation” was organized by Department of Instrumentation and Department of Electronics in October

2016..Different fields like Information and Communication Technology, Internet of things, Industrial Automation and VLSI, Energy efficient systems etc were part of this conference.

- National Conference UMCCD-2 was organised on 24 – 25 January 2017 by Biomedical Science Department
- Promoting in-house research projects with students by collaborating with industries like Sri Ram Institute for Industrial Research, National Physical Laboratory, Gogia Chemicals Industries Ltd. and Expert Inspection Council of India.
- Faculty are involved in projects supported by DST. Quite a large number of faculty are involved in minor research project sanctioned by Delhi University in which they are collaborating with industries, CSIR, ICMR, AIIMS etc. Undergraduate students are engaged in these research projects.
- The fifteen innovation projects involving nearly the entire faculty were successfully completed.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- The library has 3 laboratories (e-Library-1, e-Library-2 and e-Library-3) providing computational facility of approximately 80 computer nodes interconnected via LAN. These nodes are running on the Windows 2000/Windows XP/Windows 8 platform and are equipped with state of art software.
- The library puts a great emphasis on e-resources. While laboratories are also used for developing skills to use and apply various concepts, tools and techniques, their main purpose is to develop the core technical as well as general professional competencies through experiential and collaborative learning.

6.3.6 Human Resource Management

- Every department works as a team to accomplish any given task. Students are equal participants in the successful execution of the task.
- The college has Grievance Redressal Committee and internal complaint committee (ICC) formulated as per direction of the competent authority.
- All faculty members of the college are actively involved in different committees of the Staff Council, Staff Association and Student Societies.
- Trainings and Workshops have been organised regularly for the faculty and staff. (*Annexure- VII*).
- Women development cell
- Student development cell
- Faculty development committee

6.3.7 Faculty and Staff recruitment

- The College follows rules and regulations adopted by University of Delhi.
- To bring in transparency, it puts details for the recruitments on the website for accessing by all concerned.

6.3.8 Industry Interaction / Collaboration

- Industries visits to SSPL, NDRI, Gogia Chemical private limited, Mother Dairy Plant, Dabur, Yokut, Agilent, Jubilant etc.
- Seminars and talks from Industry experts.

6.3.9 Admission of Students

- The college follows a very transparent, on-line system for admissions. It follows the guidelines as laid down by University of Delhi.
- Appropriate up-dates are provided on the college as well as DU website.

6.4 Welfare schemes for

Teaching

- Admission to wards as prescribed by the University of Delhi rules.
- Availability of facility of gymnasium

Non teaching

- Admission to wards as prescribed by the University of Delhi rules.
- Availability of facility of gymnasium

Students

- Financial assistance to the needy.
- Availability of facility of gymnasium
- Physical education, yoga and meditation classes.
- Self defense classes.
- Remedial classes

6.5 Total corpus fund generated

NIL

6.6 Whether annual financial audit has been done

Yes

No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic			No	Has been initiated
Administrative	Yes	Local Funds Account	Yes	Principal, Teacher-in-charge of Departments./Chartered Accountant.

6.8 Does the University/ Autonomous College declare results within 30 days? NA

For UG Programmes Yes -- No -

For PG Programmes Yes -- No --

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

NA

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

NA

6.11 Activities and support from the Alumni Association

- College organized its seventh Alumnae Meet “BLEND” on 12th February 2017. The meet was attended by around 120 alumni of batches that graduated in year 1992 (First Graduating Batch) to 2016. Election of office bearers for the alumni cell was conducted on the same day for the first time.
- Alumnae are invited on regular basis to interact with students.
- Alumnae are encouraged to associate with the college for placement of students.

6.12 Activities and support from the Parent – Teacher Association

To be initiated

6.13 Development programmes for support staff

- Two days’ workshop on cashless transaction for non-teaching and housekeeping staff
- English proficiency Classes
- 15 days workshop on ” Introduction to Microsoft Office – Essentials “
- A training programme of 10 days on office performance skills

6.14 Initiatives taken by the institution to make the campus eco-friendly

- Tree Plantation Drive and Tree Adaptation by the students.
- Lush green grounds are a testimony of eco-awareness.
- Energy saving projects.
- Rainwater harvesting.
- STP plant for Water recycling.
- Solar panels for water heaters and lighting.
- VRF system for air-conditioning.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- Student exchange program with special focus on North-east states was initiated.
- Cashless financial transactions were achieved.
- Outreach activities like-Talent hunt, sports day for socially and economically weak sections of the society were organised.
- New experiment were introduced (under Star-DBT scheme) which encourages students to take science as career option. New infrastructure/equipment was established by support of Star-DBT and DU-innovation projects.
- The fifteen innovation projects, funded by University of Delhi were successfully completed.
- To enhance student participation in curricular and co-curricular activities a system of credit hours was introduced .An App was developed by the students to monitor the attendance of the student.
- E-voting system was developed and used to conduct departmental student council elections.
- Youth Parliament activity was initiated.
- An informal meeting of the faculty as ‘Happy Club’ was initiated.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- Three new undergraduate B.Sc.(Hon) courses in Physics, Chemistry and Maths were introduced.
- A regular counsellor and coaches for sports activities was appointed.
- Conducted two national conferences and quite a few seminars and industrial visits.

- “Healthy Bite” a commercial venture for nutritious snacks was started.
- Appropriate action taken according to feedback from students.
- Formalized the guidelines for various committees.
- Participated in the “youth parliament” competition.
- Formation of a committee to look into the addition of an Academic block.

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

- The college has state of the art infrastructure and gives extensive hands on training to the students on sophisticated instruments. The college believes in developing scientific temperament in students. The college believes in providing open and free environment and active interaction between the teaching, non-teaching staff and the students. The college has a **RFID enabled library**. Every student and staff member has been issued a smart identity card that can be used for the issue and return of books. No separate library cards are required. We believe in imparting high quality education to women and empowering them to be economically independent for the betterment of the society.
- The college has an amply green and eco friendly campus with a robust water harvesting system. The solar energy is used in the hostel for water heating. The lights in the toilets are sensor controlled and save a lot of electricity. The air conditioning in the campus is by VRF system that is economical and eco friendly. Vermi-composting is used for manure generation. E-waste is segregated and collected for disposal.

7.4 Contribution to environmental awareness / protection

- No crackers campaign on Diwali
- No burning of garbage/ leaves
- Tree Plantation
- Segregation and Utilisation of waste
- Various activities were carried throughout the year such as:
 - ✓ Best out of waste
 - ✓ Innovative Dust bins
 - ✓ Pot Decoration with waste

- ✓ Innovative Notepads
- ✓ Posters on energy saving theme
- Eco Day Celebrations involving following events with environment related theme:
 - ✓ Herbal Rangoli
 - ✓ Slogan Writing
 - ✓ Herbal drink preparation
 - ✓ Debate
 - ✓ Quiz
- World water day was celebrated on 22nd march 2017

7.5 Whether environmental audit was conducted? Yes No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

SWOT Analysis

Institutional Strengths

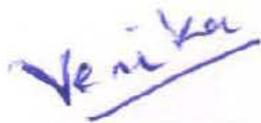
- Able and visionary Principal and members of Governing Body.
- Dedicated and qualified faculty and staff.
- State of the art Infrastructure (at par with the global standards) and its optimum utilization.
- RFID enabled library.
- Hostel facility available.
- Good inter-departmental research environment.
- Students are apprised of the latest developments in their field by means of organising seminars/workshops/conferences from time to time.
- Green and eco friendly campus.

Institutional Weakness

- The location of the college at the peripheral of Delhi border with limited transport facility.
- Non-availability of Masters programs for many courses around Delhi.
- Limited number of seats in the hostel.
- Scarcity of faculty residential flats.
- Limited area in the academic block for expansion of student strength.

8. Plans of institution for next year

- Start new courses.
- E-planning & management.
- Google form for Alumni data, date/activity calendar.
- Website up gradation.
- Up gradation of College directory.
- Survey and enhancement of facilities for employees, alumni and students.
- E-Newsletter.
- Enhance & create environment for research.
- Parent-Teacher interaction
- Academic Audit.
- Security Audit.
- Protocols for Gender Audit.
- Fire drill
- Short term courses for Carrier counselling.
- Organize Orientation/workshop Program for non-teaching technical staff
- Encouraging students to go for start-ups and become entrepreneurs
- Plan to conduct Workshops/ Seminars/Industry visits/Conference
- Organize Faculty Development Program at national level.



Name – Ms. Venika Gupta

Signature of the Coordinator, IQAC



Name – Dr. Payal Mago

Signature of the Chairperson, IQAC

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

Academic Calendar 2016-17

UNIVERSITY OF DELHI
दिल्ली विश्वविद्यालय

Most Urgent/Out Today

No. Aca.1/299/Academic Calendar/1194

14th June, 2016

16

NOTIFICATION

The following Academic Calendar to be followed for the Under-graduate and Post-graduate courses for the academic year 2016-2017, is hereby notified for necessary compliance by all concerned:

SEMESTER I/III/V/VII	
Classes Begin	20 th July, 2016 (Wednesday)
Mid-Semester Break	11 th October, 2016 (Tuesday) to 16 th October, 2016 (Sunday)
Classes begin after Mid-Semester Break	17 th October, 2016 (Monday)
Dispersal of Classes, Preparation leave and Practical Examinations begin	12 th November, 2016 (Saturday)
Theory Examinations begin	24 th November, 2016 (Thursday)
Winter Break	17 th December, 2016 (Saturday) to 1 st January, 2017 (Sunday)
SEMESTER II/IV/VI/VIII	
Classes Begin	2 nd January, 2017 (Monday)
Mid-Semester Break	13 th March, 2017 (Monday) to 19 th March, 2017 (Sunday)
Classes begin after Mid-Semester Break	20 th March, 2017 (Monday)
Dispersal of Classes, Preparation leave and Practical Examinations begin	27 th April, 2017 (Thursday)
Theory Examinations begin	9 th May, 2017 (Tuesday)
Summer Vacation	20 th May, 2017 (Saturday) to 19 th July, 2017 (Wednesday)

REGISTRAR

Copy to:

- (1) The Dean Students' Welfare/The Proctor/The Dean (Examinations)
- (2) All Deans/Heads/Principals/Directors/Prof.-in-Charges
- (3) The Chairman, Delhi University Sports Council/The Director-SOL/NCWEB
- (4) The OSD (Admission), University of Delhi, Delhi-110007.
- (5) The Joint Dean, University Information Centre
- (6) The JR-VCO, JR (Teaching)
- (7) The DR - SDC/AR-Colleges/SDC/Registrar-Office
- (8) The PS to VC/PVC/DC/DSC/Registrar

DEPUTY REGISTRAR (ACADEMIC)

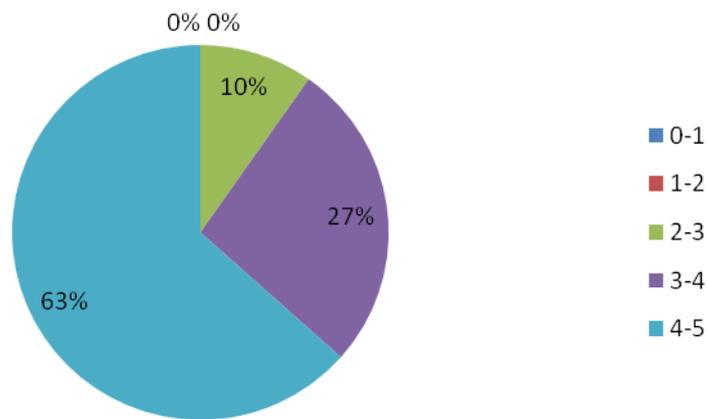
University of Delhi, Main Campus, Delhi-110 007 (India)
Tel. 27667725/27662880; Fax : 27666350; Website : www.du.ac.in

FEEDBACK ANALYSIS

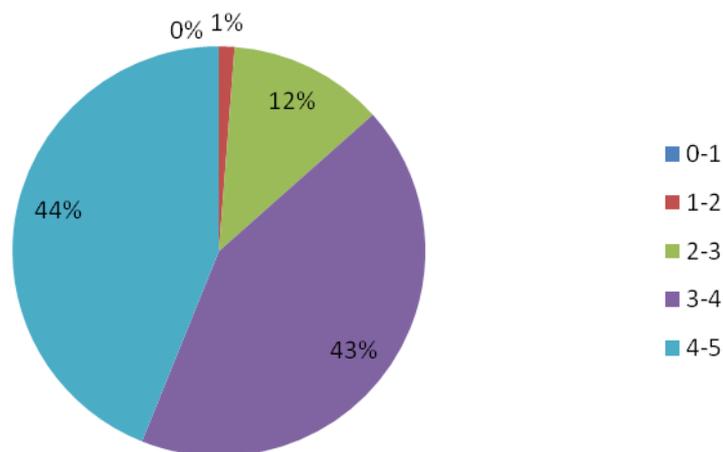
- **Feedback on Faculty**

Student Feedback is an important recipe for bringing about the improvement in teaching. A balanced questionnaire with questions ranging from punctuality, regularity, innovation in teaching methodology, preparation for the class, awareness of the recent advancements in the field etc has been designed. The scale chosen has a range from 1 to 5, with 1 being lowest and 5 being highest, for a total of 25 different teaching standard parameters.

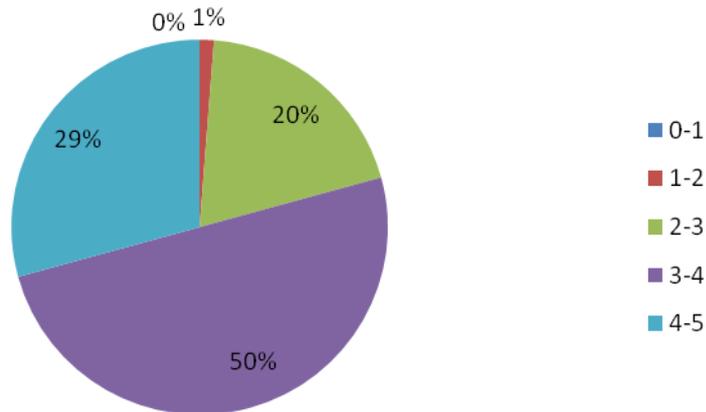
Regularity in taking classes.



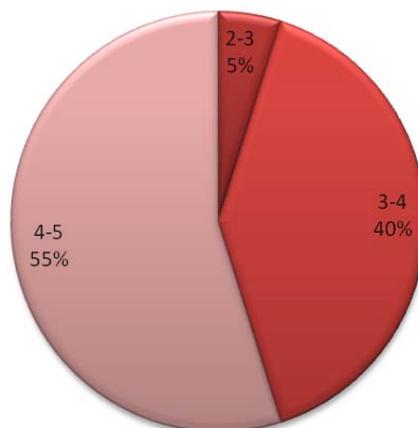
Refers to latest developments in the field.



Uses innovative teaching methods.



Overall score

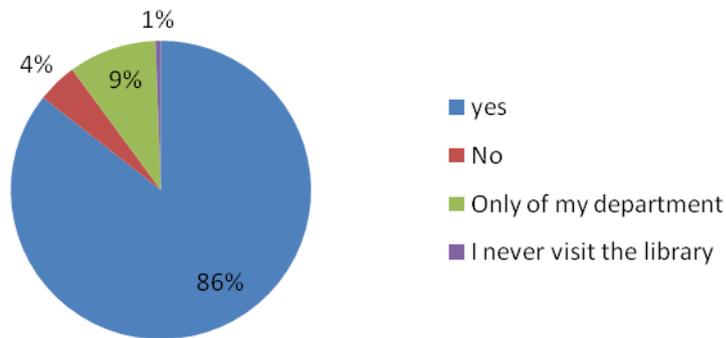


The lowest average on the parameters corresponds to "**Innovation in Teaching Methods**" with an average value of 3.6 and the highest average corresponds to the parameter "**Availability of the Teacher**" with an average value of 4.2. The net average for the faculty is 3.97. The chart in red shows the distribution of average overall scores. No faculty had a score less than 2.6 with the majority having a score 4 to 5.

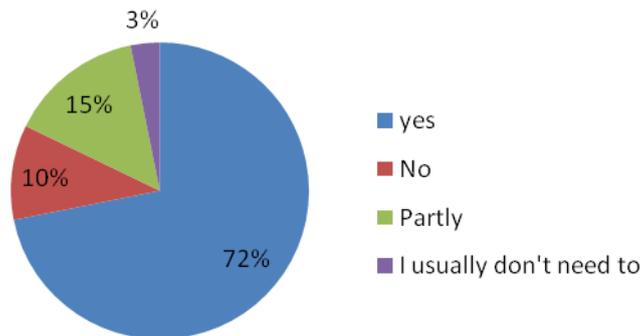
The scores suggest that majorly faculty members in the college are sincere and put in their best efforts to satisfy the student's curiosity and fuel their love of learning.

- **Feedback for Library**

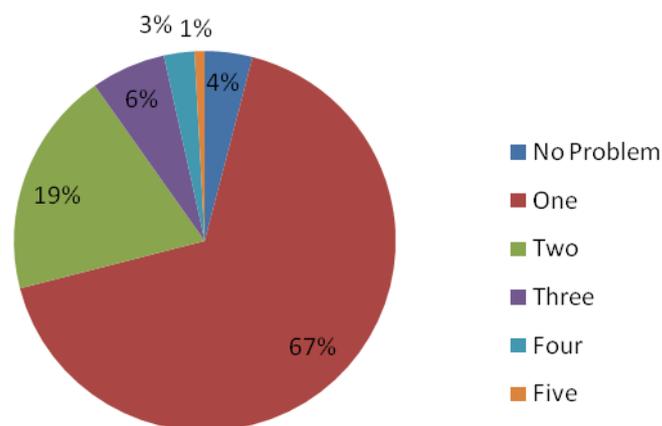
Are you aware of the various sections of the library?



Do you know how to access the relevant information from e-library?



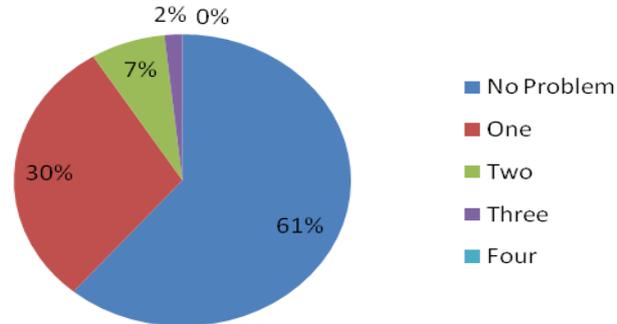
Problems encountered related to Library



The common problems that the students stated related to internet connection in the library and duration of issue of books.

- **Feedback for Administration**

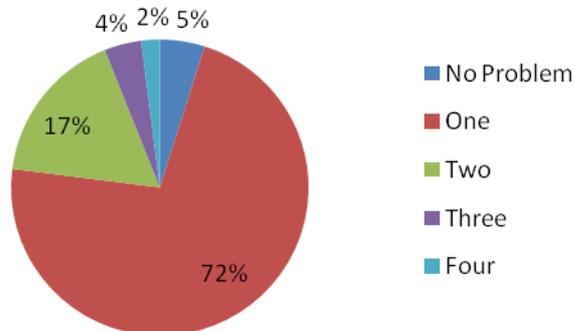
Problems encountered related to Administration



Most of the students found the administration convenient. The common problem ,as indicated is regarding bus pass form- approval and sanctioning of letters and applications.

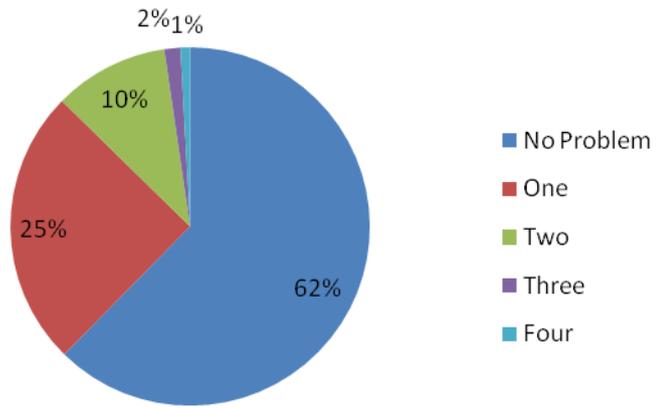
- **Feedback for Examinations and Admissions**

Problems encountered during examinations



The common problem that was highlighted was regarding the clearance slip.

Problems encountered during admissions



The majority did not encounter any major problems during admissions.

Research Publications

1. Sharawat S K , Raina V, Kumar L, Sharma A, Bakhshi R, Vishnubhatla S, Gupta R, Bakhshi S. 'High FMS-like tyrosine kinase-3 (FLT3) receptor surface expression predicts poor outcome in FLT3 internal tandem duplication (ITD) negative patients in adult acute myeloid leukaemia: a prospective pilot study from India'. *Indian J Med Res* (2016); 143:98-103.
2. Verma S.K, Arora I, Javed K, Akhtar M and Samin M. 'Enhancement in the Neuroprotective power of Riluzole Against Cerebral Ischemia Using Brain targeted Drug Deliver Vehicle'. *Applied Materials and Interface*. (2016)8(30), 19716-23.
3. Mehra Varsha, Khatri Manisha and Mishra Smita "Trials and Tribulations In Tuberculosis Research:Can Plant Based Drugs be the solution?"*Chem Biol. Lett.* (2017) Issue 4, Volume 1,33-47.
4. Arora Indu, Parvinder Kaur, International Conference and outreach programme on "Environment and Ecology:Sustainability and challenges (ENCON 2017)" Venkateswara college, University of Delhi, 24-25th January 2017.
5. Arora Indu, Parvinder Kaur 2nd National Conference on Understanding the Mechanism and Challenges of complex Diseases (UMCCD-2) Shaheed Rajguru college of Applied Science, University Of Delhi, 4-6th January 2017.
6. Arora I, Synthesis and characterization of silver and gold NPS Using plant extract of RUTA Graveolens Linn SudabRautaceae. Poster presentation in International conference on Bridging Innovations in pharmaceuticals, Medical and Bio sciences organized by Innovare academic Science, 11-12 February 2017.
7. Gupta Manasvi, Chhavi Sharma, Poonam Meena, & Manisha Khatri. "Investigating the free radical scavenging and acetylcholinesterase inhibition activities of *Elletariacardamomum*, *Piper nigrum* and *Syzygiumaromaticum*." *International Journal of Pharmaceutical Sciences and Research*, (2017): 8(7), 3180-3186.
8. Mishra Smita, Manisha Khatri, &Varsha Mehra. "Trials and Tribulations in tuberculosis research: Can plant based drug(s) be the solution?." *Chemical Biology Letters*, (2017): 4(1), 33-47.
9. Singh Ritika, Samreen Fatima, Divya Singh, Ronika, Sheetal Pathania, Aashna Nanda, TseringNorzom, Diksha Sharma, Sandhya Bansal, Silky Doda, Deepa Joshi, PayalMago& Manisha Khatri. "Design, synthesis and evaluation of antidiabetic activity of new substituted alkyl acid derivatives." *International Journal of Pharmaceutical Sciences and Research*, (2017): 20.

10. Mishra Smita, Manisha Khatri, &Varsha Mehra. "Plant Based Approaches: Achilles Heel in Tuberculosis Treatment." In National Conference on Advances in Food Science and Technology (2016): 183. ISBN Number: 978-93-81156-43-8
11. Sodhi, G S, Kaur, J 'Multimetal technique for detection of latent fingerprints: A review' in Egyptian Journal of Forensic Sciences, Volume 7, 2017.
12. Kaur J, Bhardwaj D, Dhingra S,*et al.*Poster presentation, 'Assessment and correlation of air quality index of east Delhi region with vital respiratory parameters of college students' at the National Conference on Combating Industrial Pollution for Sustainable Environment – A Fusion of Industrial and Scientific Efforts, held on September 22-23, 2016 at Gargi College, University of Delhi, Delhi.
13. Kaur J 'Phase transfer catalysis in aid of fingerprint development', paper presentation at the Eighteenth All India Conference of Directors of Fingerprint Bureaux, held on March 30-31, 2017 at Haryana Police Academy, Karnal.
14. Soni Neha, Sharma Enakshi Khullar, Kapoor Amita. "A survey of existing optical neural networks." Proceedings of Second National Conference on Recent Developments in Electronics (NCRDE 2017), pp 138-140. ISBN: 978-81-933475-3-9.
15. Soni Neha, Sharma Enakshi Khullar, Kapoor Amita. "A survey of existing optical neural networks." Proceedings of Second National Conference on Recent Developments in Electronics (NCRDE 2017), pp 138-140. ISBN: 978-81-933475-3-9.
16. Chawla Suruchi, Kapoor Amita, Sharma Shallu, Shukla Bhanvi, Gupta Monica, Kaushik Pragya, Pushkar Shreshtha. "App based Garden Bot for Regulation of Water Level in plants."International Research Journal of Engineering and Technology (IRJET) 10 (03), pp 1208-1212, Oct 2016, e-ISSN: 2395-0056.
17. Kapoor Amita, Singh Narotam. "Effect of Event Sequence on Intragroup Dynamics: Simulation Using Modified Hopfield Neural Network." in Advances in Computing, Communications and Informatics (ICACCI), 2016 International Conference on, Sep. 2016. IEEE Xplore doi: 10.1109/ICACCI.2016.7732168
18. Sharma Shalu, Chawla Suruchi, BachhteyShakshi, Shukla Bhanvi, Gupta Veni, Gupta Monica, Kaushik Pragya, Pushkar Shreshtha, Seth Shivani, Gandhi Tanya; Varshney Sheetal, Mehta Saloni, Jha Ruchika, Kapoor Amita. "An Automatic Irrigation System Using Self-Made Soil Moisture Sensors and Android App."In Advances in Computing, Communications and Informatics (ICACCI), 2016 International Conference on, Sep. 2016.
19. Soni Neha, Kapoor Amita, Sharma K Enakshi. "Application of Hopfield neural network for face recognition." International Conference on Mathematics for Brain Studies (ICMBNIU - 2016), Noida International University, India.

20. Kapoor Amita, Sharma Shaluet al "An Automatic Irrigation System Using Self-Made Soil Moisture Sensors and Android App." In National Conference Recent Trends in Instrumentation and Electronics, RTIE-2016, Delhi, India. ISBN13: 978-1539305422.
21. Jain, S., Saxena P. and Lamba, H. (2017). Effect of sprouting time on antioxidant properties of *Trigonellafoenum-graecum* (fenugreek) seeds available in Delhi-NCR region. *International Journal of Current Research and Review*, 9(05): 33-37.
22. A review on the Eye Stick: Boon to Visually Impaired, Anushka Singh, Deeksha Agarwal, Pratibha Sangam, Prerna Singh, Shivani Ranjan, Yogesh Pratp, Sneha Kabra International Conference on Advances in Nanomaterials and Nanotechnology (ICAN 2016) 4th and 5th November 2016, Centre for NanoScience and Nanotechnology, Jamia MilliaIslamia. ISBN:978-93-85000-94-2
23. Sneha Kabra, HimaniDua, Ms Ritika Chopra *etal*, Low cost eco-friendly solar inverter a standalone solar power system for households, Second National conference on "Recent trends in Instrumentation and Electronics", (RTIE-2016) from Oct'5-6, 2016, Shaheed Rajguru College of Applied Sciences for Women.Delhi University, 13:978-1539305422, 10:1539305422
24. Yogesh Pratap, J.H.K.Verma, Sneha Kabra, SubhasisHaldar, R. S. Gupta and Mridula Gupta, Analog Characteristics and Linearity Analysis of Gate-All-Around Junctionless Nanowire Transistor (JNT) under wide Operating Temperature Ranging from 200K to 500K, 2nd National conference on Recent developments in Electronics, (NCRDE 2017), Feb 17-18, 2017 organised by IEEE EDS Delhi Chapter and Department of Electronic Science, University of Delhi. Pp.172-176, ISBN: 978-81-933475-3-9
25. Yogesh Pratap, M. Kumar, Sneha Kabra, S. Haldar, R. S. Gupta and Mridula Gupta. "Analytical Modeling of Gate-All-Around Junctionless Transistor based Biosensor for Detection of Neutral Biomolecule Species." *Journal of Computational Electronics*, (2017): 1-9.
26. Yogesh Pratap, S. Haldar, R. S. Gupta and Mridula Gupta. "Gate Material Engineered Junctionless Nanowire Transistor (JNT) with Vacuum Gate Dielectric for Enhanced Hot Carrier Reliability." *IEEE Transactions on Device and Materials Reliability*, (2016): 360-369.
27. Sharma, A. Jain, Yogesh Pratap, and R. S Gupta. "Effect of High-k and Vacuum Dielectrics as Gate Stack on a Junctionless Cylindrical Surrounding Gate (JL-CSG) MOSFET." *Solid State Electronics*, (2016): 26-32.
28. Sonal Singh 'Enhanced surface area, high Zn interstitial defects and band gap reduction in N-doped ZnO nanosheets coupled with BiVO₄ leads to improved photocatalytic performance', *Applied Surface Science* 411 (2017) 321–330.

29. Suruchi Chawla, Amita Kapoor, Shalu Sharma, Bhanvi Shukla, Monica Gupta, Pragya Kaushik, Shreshtha Pushkar, 'App based Garden Bot for regulation of water levels in plants' International Research Journal of Engineering and Technology (IRJET) Volume 3, Issue 10, Oct- 2016 S.NO: 228, e- ISSN: 2395 -0056, p-ISSN: 2395-0072
30. Suruchi Chawla, Shakshi Bachhtey, Veni Gupta, Shivani Seth, Tanya Gandhi, Shalu Sharma, Sheetal Varshney, Saloni Mehta, Ruchika Jha, Amit Kapoor, Poster Presentation "Low Cost Soil Moisture Sensors and their Application in Automatic Irrigation System" in ICACC-I6, Jaipur.
31. Dhamija M. and Deo N., Jain "Durrmeyer operators associated with the Inverse Polya-Eggenberger distribution", Appl. Math. Comput. (Elsevier), 286, (2016), 15–22.
32. Dhamija M. and Deo N., Better Approximation results by Bernstein-Kantorovich operators, Lobachevskii Journal of Mathematics (Springer), 38(1), (2017), 94-100.
33. Kumar, S., Chopra, R. and Saxena, R.R, 2016, "A fast approach to solve matrix games with pay-offs of trapezoidal fuzzy numbers", Asia Pacific Journal of Operational Research, 33(6), 1650047 (1-14). ISSN: 0217-5959. Impact Factor: 0.82. Indexed in: Scopus. In the UGC list.
34. Raksha Verma, R.S. Parihar, Subhrata Das (2017). Multi Up-gradation Software Reliability Growth Model Considering the Joint Effect of Testing and Operational Phase. International Journal of Computer Applications. 172(5), 25-30
35. Dholakia P, Bajaj D, Yadav *etal*, paper presentation on 'Mobile application to track nutritional intake-a smart step towards security through m- health', World Congress on Disease, Health and Society: Issues, challenges, ISBN9789385822513

Chapters Edited

1. Dr Projes-Edited Conference Proceedings "Smart Future: Knowledge Trend that will Change the World" (TERI) The Energy Research Institute on 13th – 16th December 2016, at Indian Habitat Center, New Delhi. ISBN NO. 9788179936535.
2. Dr. Radhika Bakshi: e-Content development of PG Pathshala Biophysics in the form of 3 modules for the paper 'Thermodynamics of living systems and Bioenergetics'.

Annexure -IV

Research Projects 2016-17

S. No.	Faculty/Department	Title of the project	Amount received	Time span	Completed/ Ongoing
1.	Dr. Varsha Mehra (PI) Dr. Manisha Khatri (Co-PI)	Isolation and Characterization of <i>Adhatodavasica</i> constituents for antimycobacterial activity against <i>Mycobacterium smegmatis</i> and <i>Mycobacterium bovis</i> BCG <i>in vitro</i> and <i>ex vivo</i> within human macrophages	23.3 lakhs From DST	3 years	Ongoing
2.	Dr. Sneha Kabra (PI) Dr. Yogesh Pratap (Co-PI)	Modeling, Simulation and development of AlGaIn/GaN HEMT based lactic acid and Uric acid biosensor for clinical research	17.16930 Lakhs (Total Sanctioned - 28,60,990)funded by SERB (DST).	3years	Ongoing
3.	Departments of Biomedical Science, Instrumentation and Food Technology	DBT Star College Scheme	22 Lakhs	Reviewed every year	Ongoing

Awards and Recognitions

International

Awarded Coursera Mentor for mentoring University of Pennsylvania Aerial Robotics course at Coursera

Dr. Amita Kapoor

State

Meritorious Teacher Award by Government of NCT of Delhi.

Dr. Rekha Mehrotra

University

Best Societal Impact Award for Innovation Projects- Biochemical evaluation of sprouted fenugreek seeds for nutraceutical management of type-2 diabetes using in vitro assays.

Dr. Sadhna Jain, Dr. Punita Saxena

Calendar for College Activities for the Academic Year 2016-17

S.No	Date	Name of the Event	Event
1.	21.6.16	International Yoga Day	Celebration
2.	17-18.6.17	“Wonders of Science”	Workshop for school students
3.	26.5.17	“ Basic Food-handling and Storage”	Out-reach activity
4.	12.4.17	“Vermi-Composting for all” by Dr. B.C Sabata, Senior Scientific Officer, Dept. of Environment, Govt. of NCTD	Talk
5.	12.4.17	A Talent Hunt for the underprivileged kids	Competition Event
6.	11-12.4.17	Visit to Semiconductor Laboratory, Chandigarh.	Educational visit
7.	11.4.17	Eye check-up camp	Camp
8.	10.4.17	Gogia Chemical Private Limited	Industrial Visit
9.	8 to 18.4.17	“Ek Bharat Shreshtha Bharat”	Student exchange program
10.	7.4.17	“PCOD Polycystic Ovary Disorder” delivered by Dr. Vandana Bhatia (fertility specialist)	Talk
11.	6.4.17	Visit to Mother Dairy plant	Industrial Visit
12.	31.3.17	‘Secret of Success from the Vedas’ delivered by Mr Tejpal Dhama	Seminar
13.	22.3.17	World Water Day	Celebration
14.	7-8.3.17	Karvaan 2017	Annual cultural fest
15.	4.3.17	Passport Sewa Camp	Student Connect Program

16.	3.3.17	Visit to NDRI	Industrial Visit
17.	3.3.17	“Mental Health Awareness and Stress Management” by Dr. Roma Kumar ,Senior Psychologist at Max Hospital and Ganga Ram Hospital.	Extension Lecture
18.	2.3.17	Visit to "SSPL-Solid State Physics Laboratory", Delhi	Industrial visit
19.	28.2.17	Visited the research labs of Inter University Accelerator Centre (IUAC), New Delhi.	Educational visit
20.	17.2.17	Career crises & counselling in today's time	seminar/feedback analysis
21.	14.2.17	“Evolution in Modern Technologies”.	Talk cum placement drive
22.	10.2.17	Adaptation of The Student Council Constitution	
23.	7.2.17	“Success“ delivered by Dr. S. Lakshmi Devi	Talk
24.	5.2.17	Alumnae Meet	Meet
25.	3.2.17	HIV/AIDS (Guest speakers Mr. R.K Tyagi, District Programme Officer, Delhi AIDS Control Program Department, Mr.Amit Kumar Verma, MND expert; Ms.Anisha, Counsellor, Lal Bahadur Shashtri Hospital)	Seminar
26.	25.1.17	Voter's Day	Celebration
27.	24-25.1.17	UMCCD-2	National Conference
28.	23.1.17	“CMOS Transistors -Operation, Scaling, Reliability and Way” delivered by Prof. Souvik Mahapatra from Department of Electrical Engineering ,IIT Bombay	Talk
29.	14.1.17	Personality Development – The Practical Way	Talk
30.	12-13.1.17	Drug discovery	Workshop
31.	5.1.17	Research laboratories of National Physical Laboratory (NPL), New Delhi	Educational visit
32.	19-20.12.16	“Cashless transaction “	workshop

33.	17-22.12.16	College Trip to Goa	5-day excursion
34.	12.12.16 to 12.1.17	Vittiya Saksharta Abhiyan	workshop
35.	5.11.16	Vigilance Awareness and Corruption	Quiz
36.	3.11.16	Ekta Diwas Observation	Celebration
37.	25.10.16	Indian Road Safety Campaign	Campaign
38.	24-16.10.16	Plastic collection in making innovative articles	Drive
39.	21.10.16	Electromania Ablaze	Technical Fest
40.	20.10.17	Technexes	Technical Festival
41.	19.10.16	Road Safety	Quiz
42.	6-7.10.16	“Recent Trends in Instrumentation and Electronics”	Conference
43.	3.10.16	“Paradoxes in Mathematics” by Prof. V. Ravichandran, Head, Department of Mathematics, University of Delhi	Talk
44.	1.10.16 to 31.10.16	Matdata month	Campaign
45.	27.9.16	Youth Parliament	National Youth Parliament Competition
46.	9.9.16	Introduction to MATLAB and SIMULINK	Seminar
47.	26.8.16	"Computer Interfaced Science Experiments" using <i>expeyes.in</i>	Workshop
48.	24.8.17	NSS Day Celebration	Celebration
49.	22.8.16	Drive to collect Stationary/winter clothes	Drive
50.	19.8.16	NSS Orientation	
51.	7-8.8.16	Multisim Software Workshop	Workshop
52.	7.8.16	“Virtual Instrumentation “	Seminar
53.	1-15.8.16	Swachta Abhiyan drive	Campaign

Annexure -VII**Staff Training and Skill Development.**

S.No	Year	Name	Name of the Training w.e.f. September 2016 to October 2017	Agency
1.	2017	T.N.Ravi	Right to information Act 2005, Case Studies/ Court cases and Improvement of Record Management System”	National Council for Training & Social Research NCTSR, New Delhi
2.	2017	Mr.Saaket Kumar	Right to information Act 2005, Case Studies/ Court cases and Improvement of Record Management System”	National Council for Training & Social Research NCTSR, New Delhi
3.	2017	Dr. Mohd. Saquib Ansari	RTI Act- Capacity Building for PIOs	Director of Training UTCS, Govt. of NCT of Delhi
4.	2017	Manoj Pathak	Computer Operations (Advanced Course)	Director of Training UTCS, Govt. of NCT of Delhi
5.	2017	Gajender Puri	Basic Computer Operations	Director of Training UTCS, Govt. of NCT of Delhi
6.	2017	Ravi	Basic Computer Operations	Director of Training UTCS, Govt. of NCT of Delhi
7.	2017	Manoj Pathak	Cashless/e Transactions	Director of Training UTCS, Govt. of NCT of Delhi
8.	2017	Naresh Jairath	Interpersonal Skills Understating Dos and Don'ts in the Workplace	Director of Training UTCS, Govt. of NCT of Delhi
9.	2017	Dr.Projes Roy	Interpersonal Skills Creating Leaders	Director of Training UTCS, Govt. of NCT of Delhi
10.	2017	Chaman Giri	Accounts Maters	Director of Training UTCS, Govt. of NCT of Delhi
11.	2017	Ravi	Basic Computer Operations	Director of Training UTCS, Govt. of NCT of Delhi

12	2017	Shashi Kumar	E-Office	Director of Training UTCS, Govt. of NCT of Delhi
13.	2017	Unni Krishnan	Computer Operations (Advanced Course)	Director of Training UTCS, Govt. of NCT of Delhi
14.	2017	Dr. Mohd. Saquib Ansari	International Right to Information Summit	RTI Institute of India Government of India
15.	2017	Dr.Indu Arora	International Right to Information Summit	RTI Institute of India Government of India
16.	2017	Unni Krishnan	International Right to Information Summit	RTI Institute of India Government of India
17.	2017	T.N.Ravi	Book Keeping & Accounting, Accounting Standards & strategy to implement Accrual System of Accounting in Government Departments Autonomous Bodies & PSUs	National Council for Training & Social Research , NCTSR, Govt. of NCT of Delhi
18.	2017	Mr.Saaket Kumar	Book Keeping & Accounting, Accounting Standards & strategy to implement Accrual System of Accounting in Government Departments Autonomous Bodies & PSUs	National Council for Training & Social Research , NCTSR, Govt. of NCT of Delhi
19.	2017	T.N.Ravi	Procurement Training	Internal Quality Assurance Cell Bhaskaracharya College of Applied Sciences University of Delhi
20.	2017	Saaket Kumar	Procurement Training	Internal Quality Assurance Cell Bhaskaracharya College of Applied Sciences University of Delhi
21.	2016	Unni Krishnan	Vigilance Matters	Director of Training UTCS, Govt. of NCT of Delhi
22.	2016	Dr.Rekha	Procurement Process and	Director of Training UTCS,

		Mehrotra	Purchase	Govt. of NCT of Delhi
23.	2016	Sweta Arya	Protecting the Rights of Children-Save and Future	Director of Training UTCS, Govt. of NCT of Delhi
24.	2016	Prem Pal Singh	Civil Rights and Human Rights	Director of Training UTCS, Govt. of NCT of Delhi
25.	2016	Dr.Mohd. Saquib Ansari	Sensitization Programme regarding North East India	Director of Training UTCS, Govt. of NCT of Delhi
26.	2016	T.N.Ravi	Team Building and Group Dynamics	Director of Training UTCS, Govt. of NCT of Delhi
27.	2016	G.Vijaya	Training on Self Defence for Women (Level-2)	Director of Training UTCS, Govt. of NCT of Delhi
28.	2016	Savitri Gupta	Stress Management	Director of Training UTCS, Govt. of NCT of Delhi

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