

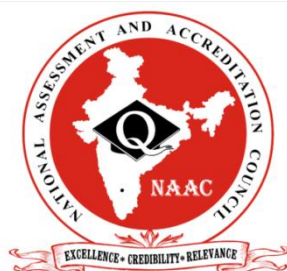
Annual Quality Assurance report (AQAR)

2015-16



Shaheed Rajguru College of Applied Sciences for Women

100% funded by Govt. of NCT of Delhi
(University of Delhi)
Vasundhara Enclave, Delhi – 110096



NAAC Accredited Institution – 'A' Grade (CGPA 3.11)

Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

Part – A

AQAR for the year (for example 2013-14)

2015-2016

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, 22623505

Name of the Head of the Institution:

Dr. Payal Mago (Principal)

Tel. No. with STD Code:

011 -22623503, 22623505

Mobile:

8800672660

Name of the IQAC Co-ordinator:

Dr. Radhika Bakhshi

Mobile:

9810599435

IQAC e-mail address:

srcasw.iqac.web@gmail.com

1.3 NAAC Track ID (For ex. MHCOGN 18879)

DLCOGN21990

OR

1.4 NAAC Executive Committee No. & Date:

EC(SC)/10/A&A/56.1

1.5 Website address:

www.rajgurucollege.com

Web-link of the AQAR:

www.rajgurucollege.com/AQAR.asp

1.6 Accreditation Details

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

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

06/2014

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC

- i. AQAR _____ NIL _____ (DD/MM/YYYY)
ii. AQAR _____ (DD/MM/YYYY)
iii. AQAR _____ (DD/MM/YYYY)
iv. AQAR _____ (DD/MM/YYYY)

1.9 Institutional Status

University State ☐ Central ☒ Deemed ☐ Private ☐

Affiliated College Yes ☐ No ☒

Constituent College Yes ☒ No ☐

Autonomous college of UGC Yes ☐ No ☒

Regulatory Agency approved Institution Yes ☐ No ☒

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education ☐ Men ☐ Women ☒

Urban ☒ Rural ☐ Tribal ☐

Financial Status Grant-in-aid ☒ UGC 2(f) ☒ UGC 12B ☒

Grant-in-aid + Self Financing ☐ Totally Self-financing ☐

1.10 Type of Faculty/Programme

Arts ☐ Science ☒ Commerce ☐ Law ☐ PEI (Phys Edu) ☐

TEI (Edu) ☐ Engineering ☐ Health Science ☐ Management ☐

Others (Specify)

1.11 Name of the Affiliating University (*for the Colleges*)

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

Autonomy by State/Central Govt. / University

University with Potential for Excellence UGC-CPE

DST Star Scheme UGC-CE

UGC-Special Assistance Programme DST-FIST

UGC-Innovative PG programmes Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2. 6 No. of any other stakeholder and
Community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders: Students Faculty

Non-Teaching Staff Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

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

Total Nos. International National State Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

- Conducted an online feedback of students (*analysis attached: Annexure-i*)
- Conducted feedback from parents. (*analysis attached: Annexure-ii*)
- Have initiated Central Data Bank which will cover the following
 - Profile of teaching and non-teaching staff
 - All students related data (Required inputs studied and form is finalized)
 - Alumni Data Bank
 - Various cultural and academic activities of the college
- Initiated the Result- Analysis for the end-semester exams of all courses.
- Reviewing of good lab practices, which includes proper log sheet for usage and maintenance of equipment, also instruction manuals for each instrument is displayed.
- Establishment of EDP-Cell (Entrepreneur and Development Cell)
 - Planning to apply for “Technology Business Incubator”
- Working towards the goal of the Quality Enhancement of the College

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality

Enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
To identify various core areas in college which needed to be analysed for Skill and Quality Enhancement	Areas were identified for which quality policies have to be formulated: <ul style="list-style-type: none">▪ Admission▪ Teaching & Research▪ All round development of students▪ Infrastructure Development▪ Examinations▪ Results and its analysis▪ Placement▪ Alumni

Formalise the feedback system from stake holders: <ul style="list-style-type: none"> Students Parents Alumni 	Formulated the questionnaire for feedback as follows: <ul style="list-style-type: none"> Students Parent Alumni Online feedback data acquired from: <ul style="list-style-type: none"> Parent Students Acquired Feedback Data Analysed
Review and Enhancement of Admission process.	<ul style="list-style-type: none"> Admission form was reviewed and revised. The admission process was streamlined for the convenience of students and parents.
Time Table	Room time tables were prepared and displayed on various Lecture Theatre and Teachers' rooms.
To conduct workshops for Skill-Enhancement in various areas.	<ul style="list-style-type: none"> EDP (Entrepreneurship and Development) cell was established on 9th October, 2015. Various workshops were conducted like: <ul style="list-style-type: none"> A Two-day workshop on "Spectroscopic and Chromatographic Techniques" was conducted on 7th -8th January, 2016 A Two-day workshop on "Brain wave controlled Robotics" was organized on 11th – 12th September, 2015 A 10-day lecture series on "Android Development" was organized from 14th December, 2015 to 22nd December, 2015 Interactive sessions, with successful entrepreneurs, were organized to establish start-ups for new entrepreneurs.
Youth Parliament	<ul style="list-style-type: none"> Appointment of a Nodal Officer for conducting youth parliament, to spread the awareness of politics in young women. Nodal officer was sent for Orientation Program for the Youth Parliament, from 3/1/16 to 5/1/16 held at Shillong. The college will be participating in the 13th National Youth Parliament Competition for Universities/ Colleges, to be organized by Ministry of Parliamentary Affairs, Govt of India in September 2016.
Infrastructure Development	<ul style="list-style-type: none"> Enhancement of the Gymnasium facilities Sports facilities were also enhanced. <ul style="list-style-type: none"> Equipment for table tennis, badminton, volleyball and tennis were purchased Wi-Fi for hostel was installed.
All-Round Development	<ul style="list-style-type: none"> Professionals were invited regularly to train students for various extracurricular activities like Dance, Dramatics and Music. Purchased instruments for Music Society. A Yoga teacher was appointed for students and staff. Sports day was organised for students and staff.
Examination result and analysis	Analysis of End-Semester Result was initiated.
Other Initiatives	<ul style="list-style-type: none"> Interactive Session with District In-charge of Transport Department, Govt. Of NCT Delhi to

	<p>discuss the following:</p> <ul style="list-style-type: none"> ○ U-special service on Route No. 33 ○ Metro feeder facility for the college Students ○ Environmental issues related with vehicular pollution ○ The odd/even rule initiated by the Govt. of NCT Delhi. <ul style="list-style-type: none"> ▪ DTC Bus service was started for students on Route No 33, used by many students. ▪ Process of clearance at the end of academic year for students was reviewed and improved. ▪ Organized a fire drill to sensitize students. ▪ Have initiated a Central Data Bank which will cover the following <ul style="list-style-type: none"> • Profile of teaching and non-teaching staff • All students' related data • Alumni Data
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** Attached Academic Calendar: Annexure iii*

2.15 Whether the AQAR was placed in statutory body Yes ☒ No ☐

Management ☒ Syndicate ☐ Any other body ☐

Provide the details of the action taken

AQAR was placed before Governing body 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	NA	NA	NA	NA
PG	NA	NA	NA	NA
UG	5	3 (from 2016-17)	0	0
PG Diploma	NA	NA	NA	NA
Advanced Diploma	NA	NA	NA	NA
Diploma	NA	NA	NA	NA
Certificate	NA	NA	NA	NA
Others	NA	NA	NA	1
Total	5	3	-	1

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	5
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) ☐

* *Please refer Annexure i*

** *Please refer Annexure ii*

*** *Initiated*

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.

No *

* DU and DHE has given approval to start new courses in Physics, Maths and Chemistry, from the next academic year (2016-2017).

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
21	11	10	-	02*

*Principal and Librarian

2.2 No. of permanent faculty with Ph.D.

17

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
-	24	NA	-	-	-	-	-	-	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

Ad-hoc – 24

Guest- 25

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	1	28	-
Presented papers	6	18	-
Resource Persons	-	-	-

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

- Extensive use of ICT such as, smart board, LCD projectors to make teaching learning process more effective and efficient.
- Hands-on training on various instruments are given to the students (as per course requirement) in the respective departments to make them familiar with technology.
- In-house summer projects are conducted for undergraduate students during vacations to promote project based learning.
- Regular demonstration of video lectures from open courseware like spokentutorials.org.in, ocw.mit.edu etc.
- Workshops, Conferences, Invited Talks and Seminars are organized regularly in various departments for giving hands-on experience and expertise on latest trends of science and technology.
- Regular industrial trips and interactive sessions are conducted to provide the latest and wider perspective about the subject.
- Peer-Learning and Self-Learning activities, like group projects and presentations are carried out in the classes to improve the overall learning process of the students.

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

180

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

- College follows “Comprehensive and Continuous Evaluation” system, in which students are continuously evaluated on the basis of their performance in Assignments, Tests, Presentations, Talks, Quizzes, Projects and Attendance. This is in accordance with the evaluation system, prescribed by the University of Delhi.

- Open-book examination is conducted in subjects involving application of concepts.
- Re-tests are conducted for students who are not scoring well
- Students are given the choice, to submit their end-term assignments in both online and offline modes.
- Mock viva-voice is conducted before end-term practical exams to prepare the students for the final term exams.

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

5

2.10 Average percentage of attendance of students

75%

2.11 Course/Programme wise distribution of pass percentage:

*** Only B.Sc(H) Bio-Medical Sciences (BMS) students graduated in the academic year 2015-2016. The students of other departments, namely Instrumentation, Computer Science, Electronics and Food Technology were in the B.Tech mode and have a fourth year. They will be graduating in 2017.**

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.Sc(H) BMS	44	55%	82%	16%	0%	98%

Please refer Annexure iv for result analysis of other programs

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

The following measures are taken:

- Feedback of teachers from students is taken annually.
- Online Students Feedback on teaching and other processes of the college.(for analysis **See Annexure i)*
- Result Analysis
- Student Mentoring
- Parent Feedback (for analysis **See Annexure ii)*

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	3
UGC – Faculty Improvement Programme	-
HRD programmes	-
Orientation programmes	-
Faculty exchange programme	-
Staff training conducted by the university	-
Staff training conducted by other institutions	-
Summer / Winter schools, Workshops, etc.	2
Others	2

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	24	5	-	-
Technical Staff	17	25	-	-

Criterion – III

3. Research, Consultancy and Extension

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

- Major research project of Rs. 23.3 Lakhs, funded by DST sanctioned to Dept. Of Bio-Medical Sciences (May 2015- 2018).
- 15 Innovation projects sanctioned to college by University of Delhi with ten students working in each innovation project. (*Please refer annexure-v*)
- Purchased new equipments for research work.
- Collaborated with other Universities for research work.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	1	-	-
Outlay in Rs. Lakhs	-	23.3	-	-

3.3 Details regarding minor projects **See Annexure (v)*

	Completed	Ongoing	Sanctioned	Submitted
Number	-	15	15	-
Outlay in Rs. Lakhs	-	75.5	75.5	-

3.4 Details on research publications **See Annexure (vi)*

	International	National	Others
Peer Review Journals	16	24	-
Non-Peer Review Journals	-	-	-
e-Journals	10	2	-
Conference proceedings	7	26	-

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

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	DST	23.3 lakhs	14 lakhs
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	2015-16	University of Delhi, DU's Innovation projects	75.5 lakhs	75.5lakhs
Students research projects (<i>other than compulsory by the University</i>)	-	-	-	-
Any other(Specify)	3	DBT Star Scheme	36 lakhs	22 lakhs
Total	-	-	134.8 lakhs	111.5 lakhs

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

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 CE Any Other (specify)

*** Departments of Bio-Medical Sciences, Food Technology and Instrumentation are part of the Scheme. See Annexure-vii for activities under taken in DBT Star Scheme.**

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number		3			
Sponsoring agencies		<ul style="list-style-type: none"> UGC Star DBT Scheme, IEEE EDS (Delhi Chapter) DIETY (Department of Electronics & Information Technology) NTPC DBT OSAW India 			

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

**from Innovation Council, University of Delhi.*

***From DST*

3.16 No. of patents received this year

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

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
2	-	-	1	1	-	-

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

3

3

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

1

SRF

-

Project Fellows

-

Any other

1

3.21 No. of students Participated in NSS events:

University level

25

State level

-

National level

-

International level

-

3.22 No. of students participated in NCC events: **NA**

University level

-

State level

-

National level

-

International level

-

3.23 No. of Awards won in NSS: **NIL**

University level

-

State level

-

National level

-

International level

-

3.24 No. of Awards won in NCC: **NA**

University level

-

State level

-

National level

-

International level

-

3.25 No. of Extension activities organized

University forum	8	College forum	1	
NCC	-	NSS	8	Any other 1

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

S.NO	Activity
1	Workshop for M. Sc. Forensic Science , University of Delhi students, was conducted from 08 th -13 th Feb'16.
2	Summer Training on “ Effect of storage container on the portability of water ” was conducted for School Students in May-June,16.
3	Workshop: “ Spectroscopic and Chromatographic Techniques ” was conducted from 7 th -8 th Jan'16.
4	NSS organised the following activities during the year : <ul style="list-style-type: none"> • Blood Donation Camp, eye check up camp and self –defence classes for students. • Literacy drive, wherein more than 30 children from weaker section of society are taught by students, everyday. • Collection drive in college for clothes, shoes, stationery etc, to be distributed amongst the needy people. • Participation by students in- Awareness and Advocacy workshop for Digital India (an initiative by Ministry of Communication and Information Technology), Dengue awareness session, Yoga Day celebrations at India Gate, NSS activities organised by other colleges etc. • Celebration of Yoga Day on 21st.Jun.2016. • Celebration of Ekta Divas, birthday of Sardar Patel as National Integration Day.
5	A project on “ Sanitation and Health: the need of hour ” is being carried out in collaboration with TERI University.
6	A two-day Brain wave controlled Robotics workshop was organized from 11 th – 12 th Sept'15.
7.	The tech-fest week was celebrated in the month of Oct.2015, in which all the Departments organised their one-day technical festival, comprising of technical talks and scientific games.
8	The conference National Conference on Advancements of Electronics and Computer Application (NCAECA'16) was organized from 4 th -5 th .Feb'16.
9.	A seminar on “ Semiconductor Industry, Dynamics and the Evolving Technologies ” was organised on 13 th Jan'16.
10.	A 10 day lecture series on “ Android Development ” was organized from 14 th -22nd.Dec.2015
11	Industrial visit to Sofcon Industry, Noida on 31 st .Mar.2016
12	A lecture on “ Computer Networking ” was organised by Electronics department on 15 th .Apr 2016.
13.	Waste Segregation involving rag-pickers was undertaken so as to educate such individuals to follow healthy and safe practices.
14.	A survey was conducted on about 150 people in the DDA market, Vasundhara enclave to gather information about the cleanliness problems and their solutions under Swachh Bharat Abhiyan .
15.	Competitions like poster making, flag designing were organized in the college to develop interest in college students regarding Swatch Bharat Abhiyan.
16.	An electronic -waste drop box has been set up for the students in our college premises so that they can put their discard electronic Materials for further REUSE, RECYCLE and RESALE
17.	Industrial Visits to International Centre for Genetic Engineering and Bio-Technology (ICGEB), New Delhi, Indian Medical & Pharmaceutical Corporation Ltd (IMPCL), Uttarakhand and Regional Centre for Bio-technology (RCB), Faridabad.
18.	Computer Literacy Program (CLP) , in which some students willingly teach basic Computer Science to under-privileged girls of nearby areas.

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 sq. mtr	-	-	-
Class rooms	17	-	-	-
Laboratories	45	-	-	-
Seminar Halls	3	-	-	-
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	1	5	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	2 lakhs	11.55 lakhs	Projects from DST & DU	11.55 lakhs
Others			-	-
Sports Facility	-	3.95 Lakhs	Govt. Of NCT of Delhi	3.95 Lakhs
Hostel Wi-Fi	-	10.2 Lakhs	Hostel Fund	10.2 Lakhs
Hostel Facilities	Created by PWD	3 Lakhs	Hostel Fund	3 Lakhs

4.2 Computerization of administration and library

Library Databases updated with the new enrolment, Ad-hoc faculty member and Guest faculty. The Library databases also updated with new books purchased during the year.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value (in Rs.)	No.	Value (in Rs.)	No.	Value (in Rs.)
Text Books	16543	13352767.35	333	282562.50	16876	13635329.85
Reference Books	1136	Value included in textbooks	-	-	-	-
e-Books	126000	5000	-	-	126000	5000
Journals	1	950	2	1950	2	1950
e-Journals	5000	Included in e-book price	-	-	5000	Included in e-book price
Digital Database	-	-	-	-	-	-
CD & Video	502	Donated	-	-	-	-
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	8- Servers 292- desktops 286-laptops	8	Every department, office and library is part of centralised LAN Both Administrative and academic blocks are Wi-Fi enabled	3 (with 25 system in each)		Server-3 Printer-6 Laptop-3	Computer science, Electronics, Maths Instrumentation Food Technology Bio medical Sciences	LCD Projector -15 Laptop:16 Server: 5 Library automation software package and RFID enabled
Added	-	-	hostel block is Wi-Fi enabled	-	-	-	-	-
Total	586	8		3				

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

Orientation program has been conducted for the E-resources accessibility and usability for Teaching faculty.

Students are trained for RFID access in the Library.

4.6 Amount spent on maintenance in lakhs :

i) ICT (Computer Lab Expenses)	74557.00	
ii) Campus Infrastructure and facilities	Maintained by PWD	
iii) Equipments (All Lab Expenses)	1443672.12	
iv) Others	Repair of ICT equipment and others	49670
Total :		1567899.12

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- DTC Bus Service started from college on the most travelled route.
- Online Fee payment was introduced to help students.
- Wi-Fi for hostel was installed.
- Gymnasium facility was introduced in college.
- Infrastructure for Sports has been expanded.

5.2 Efforts made by the institution for tracking the progression

Above facilities were pursued by the institution to ensure their proper working.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
667	Nil	Nil	Nil

(b) No. of students outside the state

129

(c) No. of international students

None

Men	No	%	Women	No	%
	NA	0		667	100

No	%
667	100

Last Year(2014-15)						This Year (2015-16)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
469	63	7	145	2	684	455	58	10	144	2	667

Demand ratio – 285:1

Dropout % - 3%

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

- English remedial, yoga & meditation classes. (100-125 students).
- Talks and counselling sessions by experts to prepare them for various post graduate competitive exam, have been organized to acquaint students with structure and scope of various competitive exams, after under-graduate studies (150-200 students).
- College library also has a number of books specially dedicated for competitive exam preparation (open for all students).
- Summer school to prepare reserved category students for MSc.(Life Sciences) of University of Delhi.(10 students).

No. of students beneficiaries

325 students, approximately.

5.5 No. of students qualified in these examinations

NET	NA	SET/SLET	NA	GATE	NA	CAT	5
IAS/IPS etc	*	State PSC	*	UPSC	NA	Others	SSC-1 M.Sc – 31, out of a class of 44

5.6 Details of student counselling and career guidance

- At the beginning of each Academic Year, a mentor is assigned to a group of about 15-20 students for counselling on their educational and personal problem as well.
- Career Guidance seminars are organised in which alumni & industrial professionals are invited to interact and guide students for their future endeavour.
- Also we have a placement-cell to look after the career needs and requirements of students.

No. of students benefitted

250

5.7 Details of campus placement *

(* Only B.Sc(H) Bio-Medical Sciences (BMS) students graduated in the academic year 2015-2016 , who are pursuing higher education. Students of other departments, namely Instrumentation, Computer Science, Electronics and Food Technology were in the B.Tech mode, and will be graduating in 2017)

<i>On campus</i>		<i>Off Campus</i>	
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
-	-	-	-

5.8 Details of gender sensitization programmes

Women Development Cell of the college is involved in organising seminars and workshops for the students to create awareness and sensitise the students about the legal issues related to women.

- Organized a panel discussion cum interactive session on “**Violence against Women**” in collaboration with WILGA (Women’s Initiative for Liberation, Growth and Action) on 10th Oct, 2015. The panelists included a gynecologist Dr. Jagdish Kaur, a social worker, Dr. Smita Deshpande and a lawyer Ms. Meenakshi Prasad. The students were made aware of the legal rights of women, in case they face violence or crime at home, at public places or at place of work.
- Organized a “**Stress Management**” workshop in collaboration with WILGA (Women’s Initiative for Liberation, Growth and Action) on 14th Mar’16. Experts in clinical psychology were invited to brief the students about stress and its possible management.

5.9 Students Activities

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

State/ University level	01	National level	02	International level	-
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No. of students participated in cultural events

State/ University level	<input type="text" value="76"/>	National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>
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5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level	<input type="text" value="-"/>	National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>
Cultural: State/ University level	<input type="text" value="26"/>	National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

5.10 Scholarships and Financial Support

	Number of Students	Amount
Financial support from institution	35	Rs. 375374
Financial support from government	-	-
Financial support from other sources	2	Rs. 15000
Number of students who received International/ National recognitions	1*	-

*Only recognition was given without any financial support.

5.11 Student organised / initiatives

Fairs : State/ University level	<input type="text" value="√"/>	National level	<input type="text"/>	International level	<input type="text"/>
Exhibition: State/ University level	<input type="text"/>	National level	<input type="text"/>	International level	<input type="text"/>

5.12 No. of social initiatives undertaken by the students

- **Computer Literacy Program (CLP)**, in which some students willingly teach basic Computer Science to under-privileged girls of nearby areas.
- **A Tree Plantation Drive** was initiated, where 100 saplings were planted .
- **Adopt A Plant** initiative was introduced where students have adopted plants.
- **Cleanliness Awareness** drives are conducted in adopted area (DDA Market). Street Plays were performed by the students to spread awareness and alert people about the responsibility to make our country clean.
- **Vermi Composting** initiated, to recycle the organic wastes from canteen, mess and staff quarters.
- Waste Segregation.
- **Collection drives** for newspaper, for clothes, shoes, stationery etc, to be distributed amongst the needy people.

5.13 Major grievances of students (if any) redressed:

- Women Special Bus Service was introduced from college on the most travelled route to college.
- Sports facilities were improved in college to cater the sports interest of students.
- Review of Society funds done periodically, with due consideration to the needs.
- Music instruments were purchased for Music Society.
- Professionals are invited regularly to train students for various extracurricular activities like Dance, Dramatics and Music.
- Purchased books in library to increase resource availability.
- Wi-Fi for hostel was installed to give 24*7connectivity to hostel students.

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 imbuing 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

Yes

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

6.3.1 Curriculum Development

Although the Curriculum Development and revision is under the purview of university as a whole, still Faculty members contributed in designing of the new syllabus by participating in discussions related to curriculum designing and syllabus revision held in university or respective departments.

- Dr. Jasjeet Kaur, Associate Professor, Department of Chemistry was a member of Science Faculty , University of Delhi
- Dr. Saquib Ansari ,Assistant Professor, Department of Biomedical Sciences was a member of Committee of Courses, A.C.B.R., University of Delhi
- Ms. Venika Gupta, Associate Professor, Department of Electronics was a member of Committee of Courses, Department of Electronics Sciences, University of Delhi
- Dr. Daya Bhardwaj, Assistant Professor, Department of Instrumentation was a member of Committee of Courses, Department of Electronics Sciences, University of Delhi
- Ms. Para Dholakia , Assistant Professor, Food Technology Department was a member of Committee of Courses, Department of Home Sciences, University of Delhi

6.3.2 Teaching and Learning

- Use of ICT enabled classrooms and laboratories for showing animations, realistic video recordings, 3D diagrams, etc to further make the teaching and learning process enriched.
- Remedial classes are held from time to time for the students who require special attention
- Peer-Learning and Self-Learning activities are carried out in the classes to improve the overall learning process of students.

6.3.3 Examination and Evaluation

- The College follows Continuous Evaluation system in which Students are continuously evaluated on the basis of their performance in Assignments, Test, Presentations, Talks, Quizzes, Projects and Attendance.
- Open book examination is conducted specially in subjects involving application of concepts.
- Make up examinations are conducted for students not scoring well.
- Students are given the flexibility to submit their end term assignments in both online and offline

mode.

- Mock viva-voce is conducted before end-term practical exams, which serves as a preparation for students for final exam.
- Faculty of the college regularly participate in the centralized evaluation of end-term copies in their respective subjects.
- Some faculty members are appointed as external examiners for practical exams conducted in other colleges.

6.3.4 Research and Development

- Research collaboration with other Universities.
- Research projects are being planned and given to students to enhance the creative and analytical skills of students giving them the opportunity of hands on training, presentation, paper writing and publication in the journals.
- Poster making competitions are being organized enhancing student's skill of presentation of scientific information and data.
- Short term projects and surveys.
- Paper presentations.
- Visits to academic and institutes of repute: Regional Centre for Biotechnology (RCB), Faridabad; ICGEB, Delhi; IMPCL, Uttarakhand; Yakult, Sonapat; CSIO, Chandigarh.
- Talks by eminent scientists (Prof. B. N. Mallick, JNU; Dr. Pravat K. Mandal, NBRC; Dr. Pradeep Srivastava, CDRI; Dr. T.S. R. Murali, Mother Dairy; Dr. Seema Shukla, Export Inspection Council of India; Prof. Mridula Gupta, Electronics Dept., DU; Prof. Ajoy Ghatak, IIT Delhi).
- Observing/Celebrating Pharmacy Week, Alzheimer Day, Cancer Awareness Week, etc.
- Theme based Annual Departmental Technical Festivals by all the Departments.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Library is RFID enabled; SMS alert service is also activated. Drop Box has been activated for easy returning of books and handheld reader is also used for easy retrieval of books.

6.3.6 Human Resource Management

- The college has Grievance Redressal Committee and internal complaint committee (ICC) formulated as per direction of the Government of India
- College has Grievance Committee for redressal of grievances related to admissions.
- 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 (**Please refer Annexure- viii**).
- Women development cell
- Student development cell
- Faculty development committee

6.3.7 Faculty and Staff recruitment

Ad-hoc appointments are done through a committee, constituted according to the rules of the University of Delhi.

Permanent appointments done, according to the regulations and ordinances of University.

6.3.8 Industry Interaction / Collaboration

1.	Seminar on 'INDUSTRIAL INSTRUMENTATION' (PLC AND SCADA) was organised on 16 th Sep.2015.
2.	Organized one week short course on PLC and SCADA from 25 th -31 st , May' 16.
3.	One day industrial tour to Envirotech Instruments Pvt. Ltd. situated in Okhla Industrial Area on 14 th Dec' 15.
4.	Organized an industrial trip on 18 th .Dec.2015 to Institute of Nuclear Medicine and Allied Sciences, Lucknow Road, Timarpur, Delhi.
5.	Organized a two day industrial tour to Central Scientific Instruments Organization (CSIO), Chandigarh on 14 th -15 th April' 16.
6.	Organized a one-day industrial visit to Regional Centre of Biotechnology, Faridabad on 3 rd Feb' 16.
7.	College has also collaborated with CISCO for conducting short term courses on Networking Technology.
8.	Received a Letter of Intent for MOU from Think Design company.

6.3.9 Admission of Students

<ul style="list-style-type: none"> • The entire admission process is completely transparent and carried as, per guidelines of University of Delhi. • Details of cut-off for marks are displayed on college website as well as University of Delhi website. • Marks of the students seeking admission in college are verified by admission committee. • The caste/category certificates are also verified on central government website. • Due consideration is paid to maintain fairness in the admission process. • The admission form is reviewed regularly.
--

6.4 Welfare schemes for

Teaching	<ul style="list-style-type: none"> • Various Staff members are sent to attend trainings organised by various institutes and Government Agencies.(<i>Please refer Annexure viii</i>) • A faculty from the Department of Biomedical Sciences completed the Orientation Program for the Youth Parliament from 3rd – 5th .Jan.2016 at Shillong.
Non teaching	<ul style="list-style-type: none"> • Various Staff members are sent to attend trainings organised by various institutes and Government Agencies(<i>Please refer Annexure viii</i>) • Various training are organised in college from time to time for various problematic areas such as English remedial classes, Basic computer education, Microsoft Excel and basic internet handling,
Students	<ul style="list-style-type: none"> • English remedial classes were organized for students. • Physical education, Meditation and Yoga classes • NSS activities • Career counselling sessions. • Staff members have started a fund for supporting financially needy students. • A 5-day trekking and sight-seeing excursion was organised to Dharamshala and McLeodganj from 21st-25th October 2015 with about 130 students from all departments along with some faculty members.

6.5 Total corpus fund generated

Rs. 127162593.50

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	NA	Yes	*
Administrative	No	NA	Yes	*

**As part of the audit done by ELFA (Examiner Local Fund Account) by Govt. Of NCT Delhi & AGCR (Accountant General of Central Revenue) by Central Govt.*

6.8 Does the University/ Autonomous College declare results within 30 days? **University of Delhi declares the result at appropriate time.**

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

Alumni help us in career counselling and placements.
Regularly update their data via Google form.

6.12 Activities and support from the Parent – Teacher Association

To be initiated

6.13 Development programmes for support staff

Computer Literacy Programme conducted for all non teaching staff for basic knowledge of computer (Duration: 2 Weeks).

Trainings and Workshops have been organised regularly for the faculty and staff (see **Annexure-viii**)

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

- Tree Plantation Drive and Tree Adaptation by the students.
- Installation of Solar Panels for hostel water heating.
- Swacch Bharat activities are carried round the year
- Maintaining a Herbal-Garden
- Vermi- composting of organic waste was initiated in the college.
- E-waste dustbins are installed in our college and hostels.
- Competitions like slogan and poster making are being organised in the college.
- Robust Water Harvesting System.
- Sewage treatment Plant.
- Solar Lights installed in the college campus.

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.

- 15 Innovation projects sanctioned to college by University of Delhi with ten students working in each innovation project. The introduction of research based projects has inculcated the spirits of innovation and creativity amongst students. (*Annexure-v*)
- Setting up of the EDP-Cell in October'2015. Formation of EDP-Cell has ignited the minds of many students towards having Entrepreneurial initiatives. (*Annexure-ix*)

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

1. Areas such as Admission, Teaching, Skill-enhancement, All round development of students, Infrastructure Development, Examinations, Results and its analysis, Placement and Alumni were identified, where the Quality policies have been initiated/implemented.
2. Formulated the questionnaire for feedback from students, parent and alumni. Online feedback data from parents and students has been collected and analysed.
3. Have initiated **Central Data Bank** which will cover the following
 - Profile of teaching and non-teaching staff
 - All students related data
 - Alumni Data
4. Analysis of the End-semester Result was initiated.
5. Youth Parliament was initiated.
6. EDP (Entrepreneurship and Development) cell was created.

7. Various workshops were conducted like:
 - Two day workshop on “Spectroscopic and Chromatographic Techniques”
 - Two day workshop on Brain wave controlled Robotics
 - A 10 day lecture series on “Android Development”
8. Admission form was reviewed and revised; the admission process was streamlined properly for the convenience of students and parents.
9. Gymnasium has been started with state of the art fitness machines.
10. Sports facility was enhanced.
11. Wi-Fi for hostel was installed.
12. Equipment for table tennis, badminton, volleyball and tennis were purchased.
13. Professionals were invited regularly to train students for various extracurricular activities like Dance, Dramatics and Music.
14. Purchased a Keyboard for Music Society.
15. A Yoga teacher was appointed.
16. DTC Bus service started for students.
17. Process of clearance for students was reviewed and improved.
18. Room time tables were prepared and displayed on various Lecture Theatre and Teacher’s room.

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

- Shaheed Rajguru College of Applied Sciences for Women is the only all women college of University of Delhi imparting education in applied sciences. The college, during its 25 years of glorious journey, has been able to train and skill women so that they are able to make a niche for themselves not only in the corporate world but also in the society. Dedicated and qualified faculty ensures that the gap between academia and industry is bridged. They ensure that the students are apprised of the latest developments in their field by means of organising seminars/workshops/conferences from time to time.
- The College is in full compliance with **Right of citizen initiative for time bound delivery of services**. We have been rendering the services on Delhi Government’s ESLA Portal from 2014- 15. The duties involve:-
 - a) Issuance of Character Certificate
 - b) Issuance of No due Certificate
 - c) Issuance of Provisional Certificate
 - d) Issuance of Bonafied Certificate

We have a dedicated National Informatics Centre line. We have been uploading the entries on regular basis on E-SLA portal and issuing the above mentioned documents to the concerned individual within the prescribed time frame by Government of NCT Delhi.
- 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. For the management of e-waste, the college follows the policy of Government of NCT of Delhi.

- 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.

7.4 Contribution to environmental awareness / protection

- Vermicomposting: Mess, canteen, staff quarters and garden wastes from college premises is collected and eventually converted into compost and then used for college garden.
- Lectures were organized on the themes “Rapid Urbanization and Water Management” by Dr. C.K. Singh, Scientist, TERI University on “Geogenic contamination of ground water” and by Ms. Ranjana Ray Chaudhari, Scientist, TERI University on “ Waste Water Management” followed by interactive session.
- **Plantation Drive:** More than 100 saplings were planted in college premises and are being looked after by students
 - Cleanliness drive: nearby market has been adopted by students as part of this drive. Street play has been organised in the adopted area for making awareness .Rallies and processions are organised on a regular basis
- Installation of Solar Panels for hostel water heating.
- Robust Water Harvesting System.
- Sewage treatment Plant.
- Solar Lights were installed in the college campus.
- Lights in the toilet are sensor- controlled which saves electricity
- The air conditioning in the campus is by VRF system that is economical and eco friendly.
- Eco Day Celebrations involving following events with environment related theme:
 - ✓ Herbal Rangoli
 - ✓ Slogan Writing
 - ✓ Herbal drink preparation
 - ✓ Debate
 - ✓ Quiz
- Various environment- related activities were carried throughout the year such as:
 - ✓ Best out of waste
 - ✓ Innovative Dust bins
 - ✓ Pot Decoration with waste

7.5 Whether environmental audit was conducted? Yes ☐ No ☐

**Air Quality index (PM 2.5) monitored all round the year on alternate days.*

External Environmental Audit will be conducted in due course of time.

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

SWOT Analysis

Institutional Strengths

1. Able and visionary Principal and members of Governing Body.
2. Dedicated and qualified faculty.
3. Professional courses offered.
4. State of the art Infrastructure (at par with the global standards) and its optimum utilization.
5. Good Industry- Academia interaction.
6. RFID enabled library.
7. Good inter-departmental research environment.
8. Students are apprised of the latest developments in their field by means of organising seminars/workshops/conferences from time to time.
9. Green and eco friendly campus.

Institutional Weakness

1. Problems in up-gradation and maintenance of existing facilities, due to financial limitations.
2. Lack of popularity of institution among students seeking admission.
3. Lack of English language competency among the students.
4. Providing an on-campus placement platform.
5. Non-availability of Masters programs for many courses around Delhi.
6. Building of strong alumina relations.
7. Consolidate collaborations with industry and research institutes.

8. Plans of institution for next year

- Starting Certificate and diploma courses in specialized fields, also to introduce more undergraduate course.
- To organise Quality Assurance workshops/seminars for various stakeholders.
- To appoint regular counsellor, doctor and coaches for various sports activities
- Collaboration with industries/research institutions
- Institute is targeting to conduct Workshops/ Seminars/Industry visits/Conference.
- To establish an incubator cell in college.
- To commercialize few new food products
- To setup a no profit no loss healthy byte venture providing nutritious snacks to the entire college
- On line feedback of Alumni
- Discussion at the appropriate level to resolve the problems faced by the students (as seen from the feed-back analysis).
- To develop a sophisticated instrumentation facility centre for students and faculty of other colleges.
- To formalise the guidelines for working of various staff council committees
- To participate in the "youth parliament" competition organized by Ministry of Parliamentary Affairs, Govt of India
- To formulate and adopt a sports policy
- To initiate a Parent-Teacher association
- Plans to start programs for preparing students for various post-graduate competitive exams.
- Expansion of infra-structure- addition of an Academic Block, in view of the new courses to be introduced in the next academic session.

Name DR. RADHIKA BAKHSI

Name DR. PAYAL MAGO

Radhika Bakhsi

Payal Mago

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

Student Feedback Analysis

Table1.1 Problems faced during admission

Problems faced during admission	No. of Students
Information through various notices	39
Regarding college website	65
Regarding help desks in the college	78
Regarding payment of fee	23
No problem	507

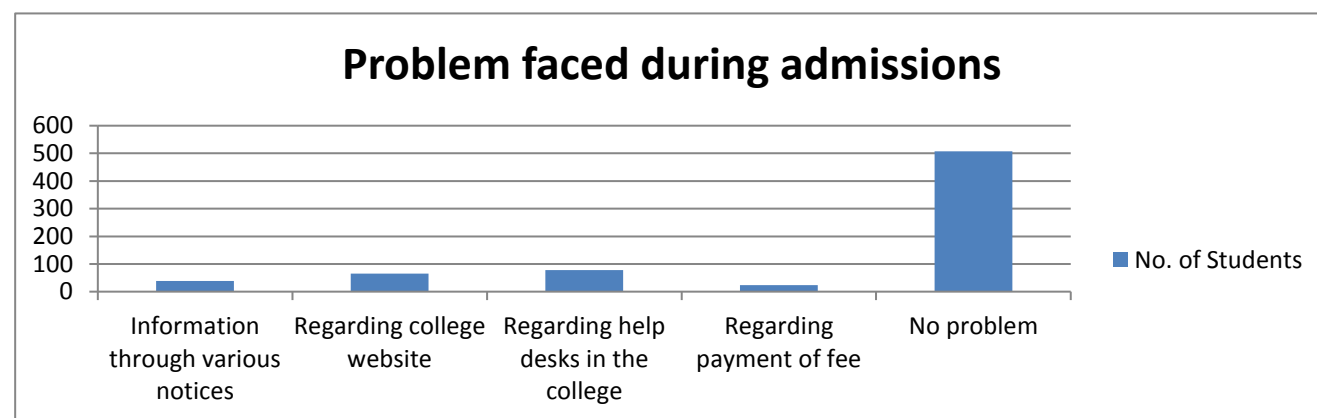


Figure: 1.1

Table 1.2: Problems faced in library

Problems in library	No. of Students
Regarding library timings	108
Regarding library books	218
Regarding issue and return of books	90
Regarding RFID system	29
Regarding Internet connection	52
multiple problems(1 to 5)	182
No problems	29

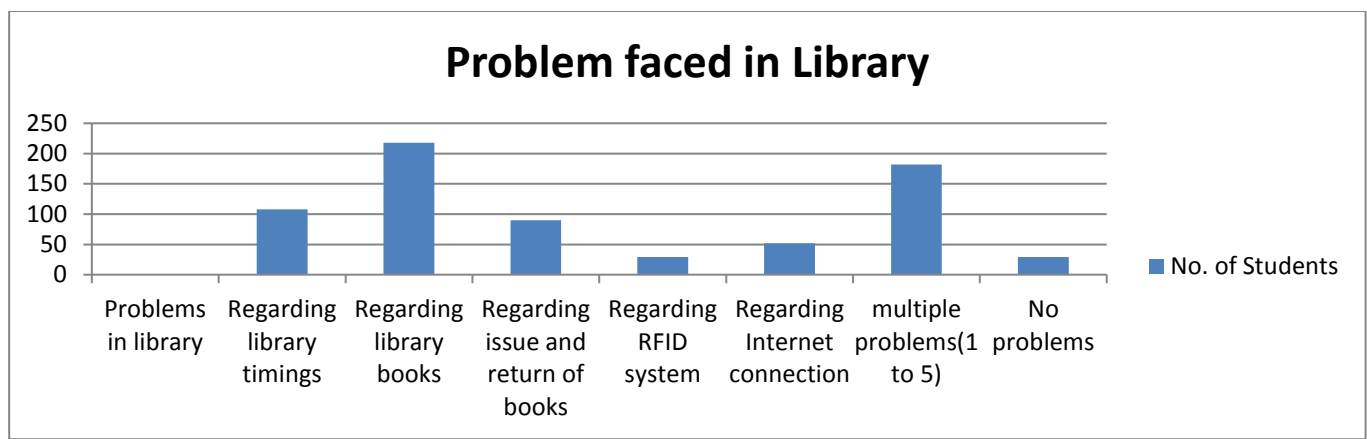


Figure: 1.2

Table 1.3: Access the relevant information from E-library

Do you know how to access the relevant information from e-library?	No. of Students
YES	308
NO	37
Partly	103
Not needed	19

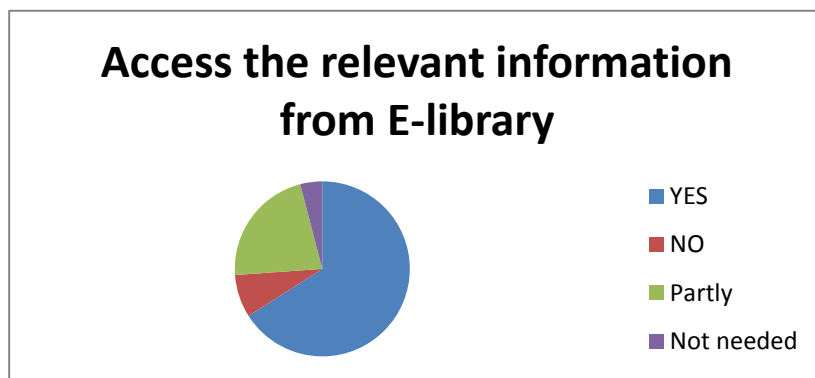


Figure: 1.3

Table 1.4: Working of the RFID system in Library

Do you know and understand the working of the RFID system installed in the library?	No. of Students
NO	65
YES	402

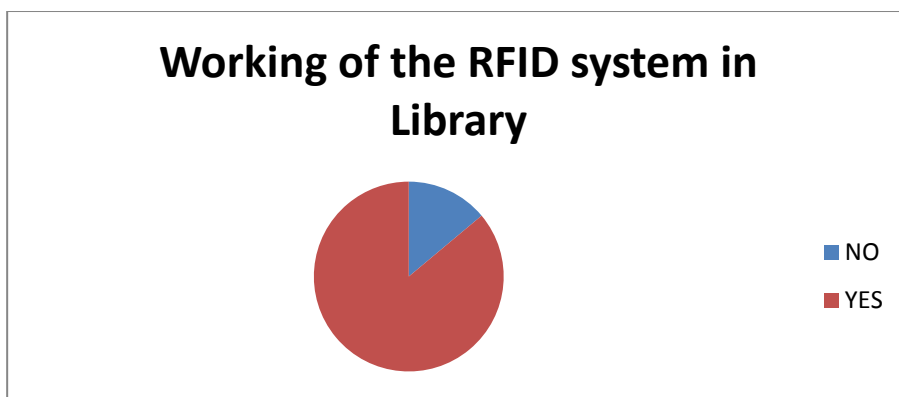


Figure: 1.4

Table 1.5: Problems faced in Teaching

Problem in teaching	No. of Students
YES	143
NO	435

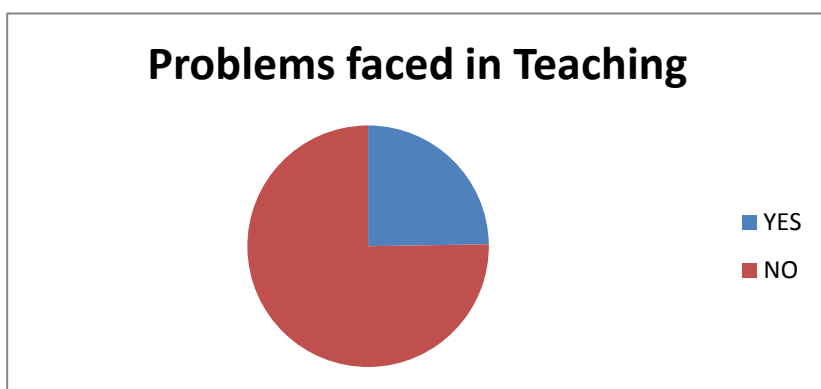


Figure: 1.5

Table 1.6: Problems you face, concerning the administration?

Problems you face, concerning the administration?	No. of Students
No problem	508
Regarding bus pass form approval	65
Regarding fee concession forms	41
Regarding sanctioning of letters and applications	67
Regarding travel concession for students	32

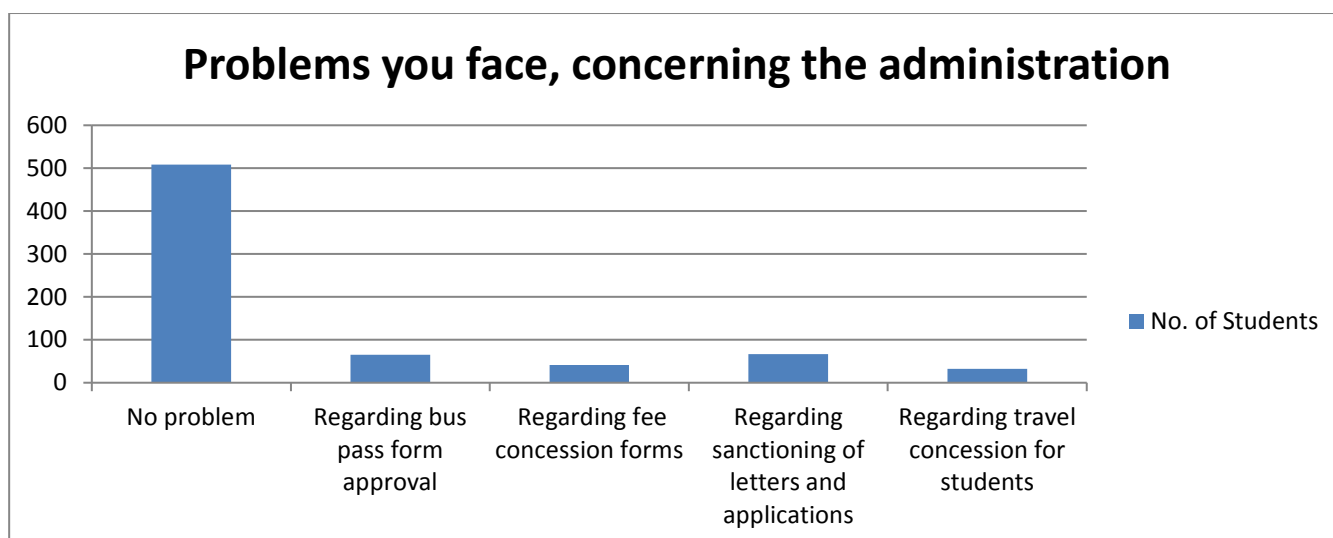


Figure: 1.6

Table 1.7: Problems faced in relation to examinations

Problems do you face in relation to examinations?	No. of Students
No problem	52
Regarding admit card, clearance slip, examination fees	144
Regarding examination fees	12
Regarding clearance slip	197
Regarding result notifications	60

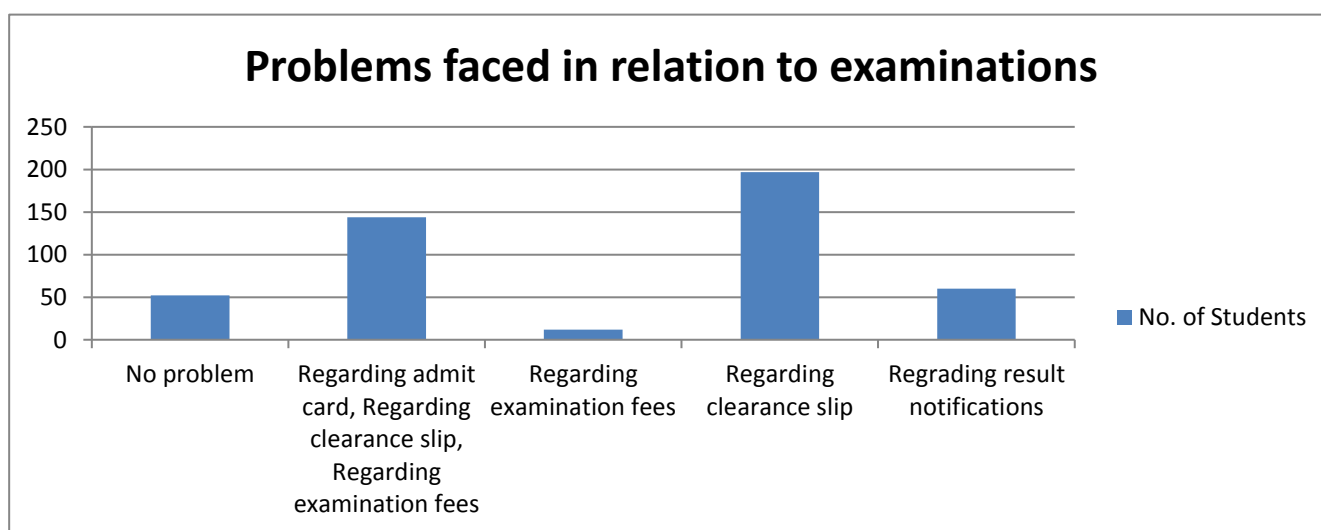


Figure: 1.7

Table 1.8: Problems in Practical

Problem in Practical	No. of Students
YES	117
NO	343

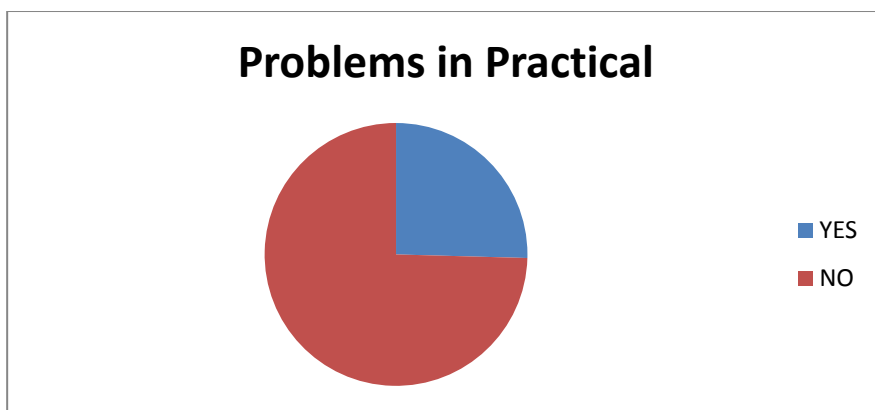


Figure: 1.8

Table 1.9: Overall Analysis

Problems Faced	Percentage of Students
Admin	28.75
Library	95
Teaching	25
Admission	29
Examination	89
Practical	25

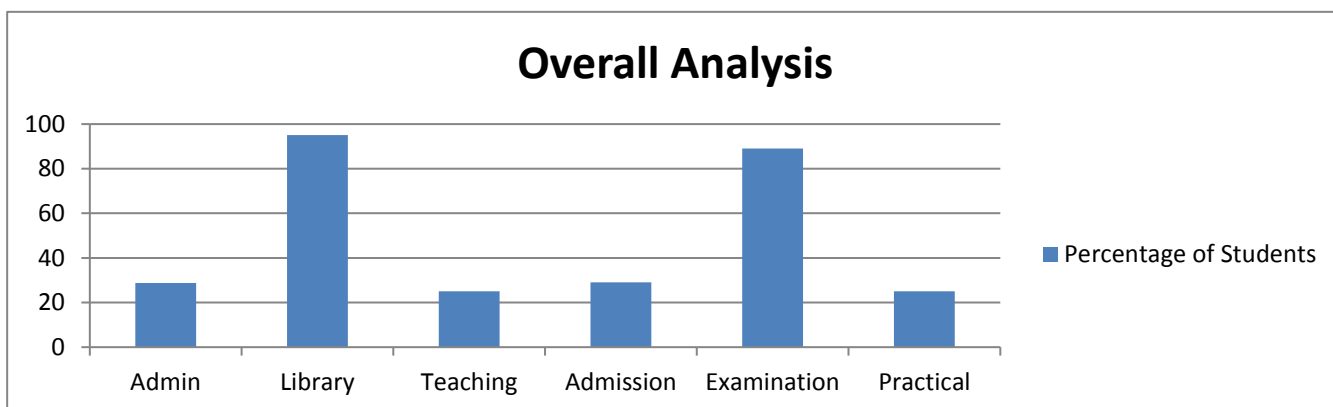
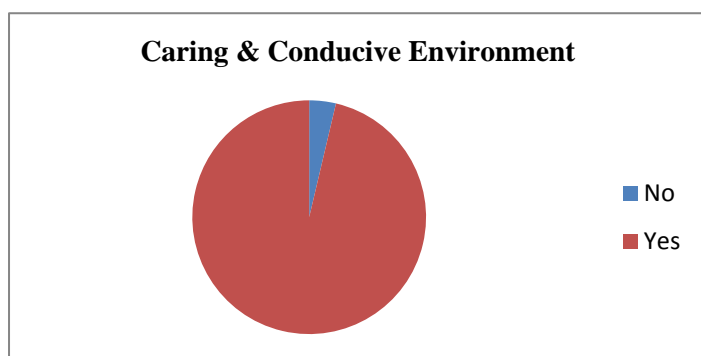


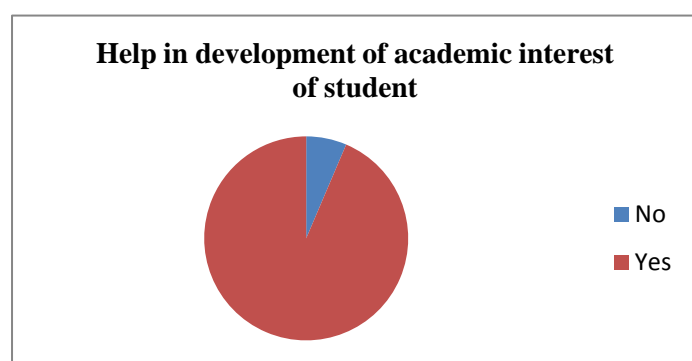
Figure: 1.9

Parent Feedback Analysis**Table 2.1: College Environment**

Is the college providing a caring and conducive environment?	Parents Participated
No	27
Yes	706

**Figure: 2.1****Table 2.2: Academic Development**

Is the college helping in the development of Academic Interest in the student?	Parents Participated
No	47
Yes	686

**Figure: 2.2****Table 2.3: Regularity of Classes**

Are the theory classes held regularly?	Parents Participated
No	19
Yes	714

Regularity of Classes



Figure: 2.3

Table 2.4: Library Facilities

Whether proper library facilities are available in the college?	Parents Participated
No	54
Yes	679

Library Facilities

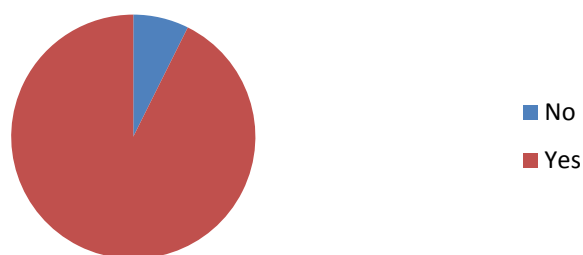


Figure: 2.4

Table 2.5: Sports Facilities

Whether enough Sport facilities are available in the college?	Parents Participated
No	281
Yes	452

Sports Facilities

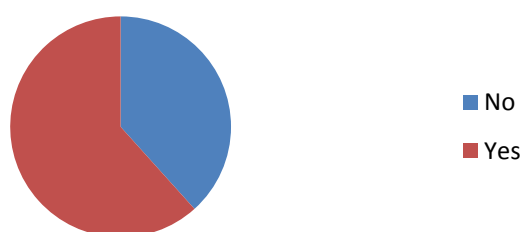
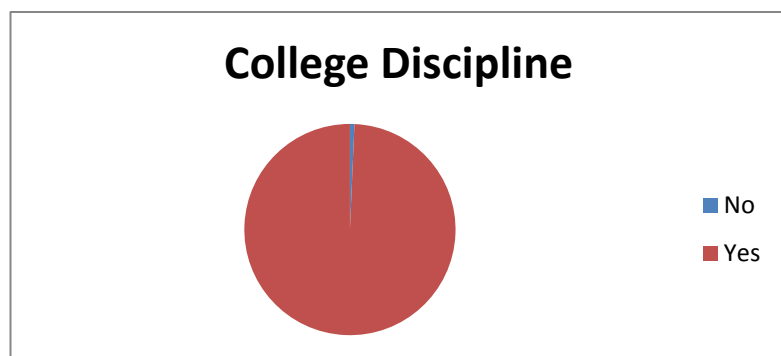


Figure: 2.5

Table 2.6: College Discipline

Is the discipline in the college satisfactory?	Parents Participated
No	5
Yes	728

**Figure: 2.6****Table 2.7: Moral Values**

Is the college aiding in building moral values in your daughter?	Parents Participated
no	24
yes	709

**Figure: 2.7****Table 2.8: Research Orientation**

Is the college helping in inculcating interest in Research?	Parents Participated
No	104
Yes	629

Research Orientation

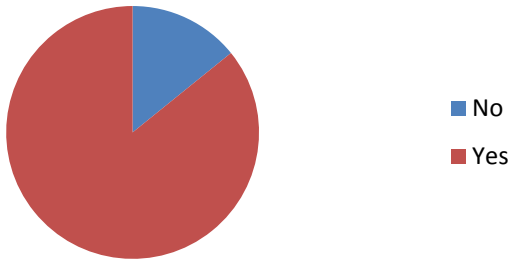


Figure: 2.8

Table 2.9: Practical classes held regularly

Are the practical classes held regularly?	Parents Participated
No	21
Yes	712

Practical classes held regularly

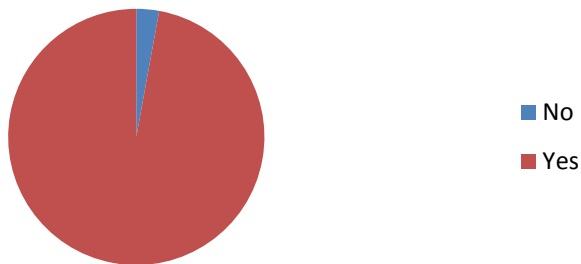


Figure: 2.9

Table 2.10: Attendance is regularly updated on college website

Are you aware that the attendance of the students is regularly updated on the college website?	Parents Participated
No	107
Yes	626

Attendance is regularly updated on college website

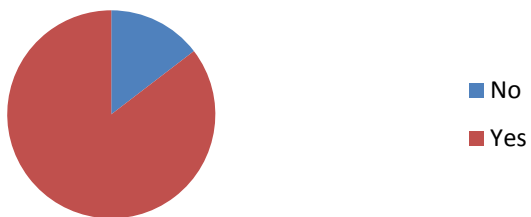
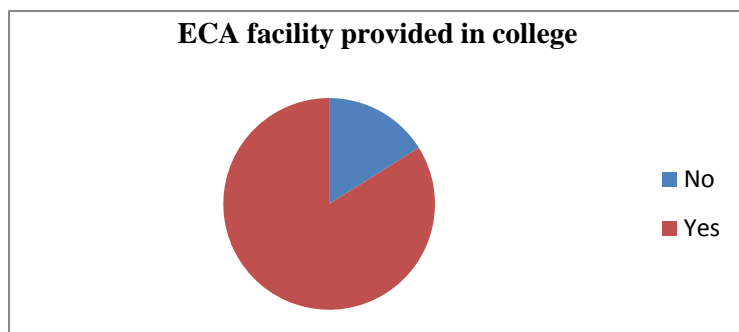


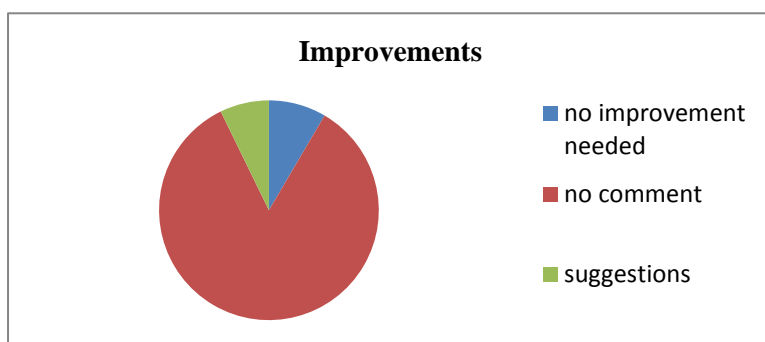
Figure: 2.10

Table 2.11: ECA facility provided in college

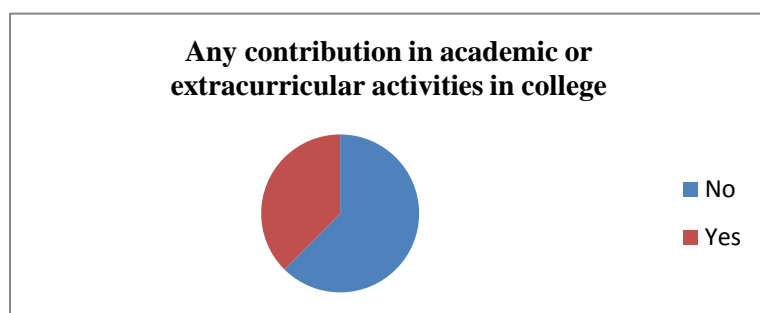
Whether enough ECA facility is provided in the college?	Parents Participated
No	118
Yes	615

**Figure: 2.11****Table 2.12: Improvements**

In case, improvement is required in any of the above areas. Please specify.	Parents Participated
no improvement needed	62
no comment	618
suggestions	53

**Figure: 2.12****Table 2.13: Any contribution in academic or extracurricular activities in college**

Can you contribute in any of the academic or extracurricular activities of the college?	Parents Participated
No	458
Yes	275

**Figure: 2.13**

Academic Calendar 2015-2016



UNIVERSITY OF DELHI दिल्ली विश्वविद्यालय

Most Urgent/Out Today

No. Acad.I/299/Academic Calendar/ 488
19th May, 2015

NOTIFICATION

The following Academic Calendar to be followed for the Under-graduate and Post-graduate courses for the academic year 2015-16, is hereby notified for necessary compliance by all concerned:

SEMESTER I//III/V/VII	
Classes Begin	20 st July, 2015 (Monday)
Mid-Semester break	21 st October, 2015 (Wednesday) to 25 th October, 2015 (Sunday)
Classes begin after Mid-Semester break	26 th October, 2015 (Monday)
Dispersal of Classes, Preparation leave and Practical Examinations begin	13 th November, 2015 (Friday)
Theory Examinations begin	26 th November, 2015 (Thursday)
Winter Break	19 th December, 2015 (Saturday) 3 rd January, 2016 (Sunday)
SEMESTER II/IV/VI/VIII	
Classes Begin	4 th January, 2016 (Monday)
Mid-Semester break	23 rd March, 2016 (Wednesday) to 27 th March, 2016 (Sunday)
Classes begin after Mid-Semester break	28 th March, 2016 (Monday)
Dispersal of Classes, Preparation leave and Practical Examinations begin	26 th April, 2016 (Tuesday)
Theory Examinations begin	9 th May, 2016 (Monday)
Summer Break	21 st May, 2016 (Saturday) to 19 th July, 2016 (Tuesday)

REGISTRAR

Copy to:

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

JOINT REGISTRAR (ACADEMIC)

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

Result Analysis

S. NO	Title of the Programme	Total no. of students appeared	Division				Pass %
			Distinction %	I %	II %	III %	
1	B.Sc.(Instrumentation) 2015-18	34	29%	88%	6%	3%	94%
2	B.Sc.(Instrumentation) 2014-17	52	12%	58%	27%	2%	90%
3	B.Tech.(Instrumentation) 2013-17	33	18%	64%	79%	3%	100%
4	B.Sc.(Food Technology) 2015-18	30	47%	47%	10%	0%	3%
5	B.Sc.(Food Technology) 2014-17	32	53%	53%	13%	3%	100%
6	B.Tech.(Food Technology) 2013-17	54	50%	50%	7%	2%	100%
7	B.Sc.(Computer Science) 2015-18	65	45%	45%	6%	2%	98%
8	B.Sc.(Computer Science) 2014-17	58	55%	91%	5%	2%	97%
9	B.Tech.(Computer Science) 2013-17	76	82%	96%	4%	1%	100%
10	B.Sc.(Electronics) 2015-18	35	17%	80%	9%	3%	91%
11	B.Sc.(Electronics) 2014-17	35	20%	71%	17%	3%	91%
12	B.Tech.(Electronics) 2013-17	35	40%	71%	20%	3%	91%
13	B.Sc.(B.M.S.)2015-18	33	67%	97%	3%	3%	100%
14	B.Sc.(B.M.S.)2014-17	36	53%	78%	6%	3%	92%
15	B.Sc.(B.M.S.)2013-16	44	55%	82%	16%	0%	98%

Innovation Projects Sanctioned By Innovation Council, University of Delhi

S.No	Innovation Project Title	Principal Investigators	Sanctioned Amount (in Lakhs of Rs)	Duration
301	Synthesis and characterization of magnetic nano particles for tumor treatment	Dr Alka Vohra Kuanr Ms Sonia Ahlawat Dr Rekha Mehrotra	5	1 year
302	Group based coordination for information exchange in ad-hoc networks	Dr Aakanksha Ms Tina Sachdeva Ms Neha Garg	4.5	1 year
303	Transition metal based spinel oxide-graphene nanoribbon composites for removal of pesticides from water	Dr Indu Arora Ms Chaynika Babbar Dr Hema Kundra	5	1 year
304	Impact of behavioural addiction to use of gadgets on physical and mental health	Ms Venika Gupta Dr Projes Roy Ms Seema Thakur	3.5	1 year
305	Impact of music...	Surrendered	6	-----
306	Health Buddy-Android based mobile application to track nutritional intake of young college students.	Ms Deepali Bajaj Ms Para Dholakia Ms Asha Yadav	4	1 year
307	Bioactive component quantification and inhibitory activity of <i>Murraya Koenigii</i> (Curry leaf) extracts against key enzymes linked to the pathology and complications of type 2 diabetes	Dr. Varsha Mehra Dr. Ranjana Singh Ms. Shikha	6	1 year
308	Design, Synthesis and evaluation of antidiabetic activity of substituted alkylcarboxylic acid derivatives as GPR40 agonists	Dr. Manisha Khatri Dr. Deepa Joshi Dr Payal Mago	7.5	1 year
309	Rajguru Mart....	Surrendered	4	-----
310	Assessment and co-relation of air quality index of east Delhi region with vital respiratory parameters of adolescent population.	Dr Jasjeet Kaur Ms Daya Bhardwaj Dr Shuchi Dhingra	6	1 year
311	Biochemical evaluation of sprouted fenugreek seeds for nutraceutical management of type-2 diabetes using in vitro assays	Dr Sadhna Jain Dr Punita Saxena Ms Ritu Jain	5	1 year
312	Complexity of repeat sequences in differential genomes of plant/animal infecting virus	Dr. Mohd. saquib Ansari Dr Safdar Ali Mr Deepak Jaiswal	3.5	1 year
313	Unravelling the genetic basis of Acute Myeloid Leukaemia (AML)	Dr Radhika Bakhshi Ms Saumya Chaturvedi Dr Neha Katyal	6	1 year
314	Isolation and characterization of halotolerant bacteria from saline environments and study the effects in wheat seedlings	Dr Shruti Banswal, Ms Vandana Ms Urmil Bharti	6	1 year
315	Development of Garden-bot: An automatic irrigation system sensing soil moisture content using self made sensor for efficient use of resources and optimum flow of	Dr. Amita Kapoor Dr Suruchi Chawala Ms. Shalu Sharma	5	1 year

	water in the fields.			
316	Low cost eco friendly Solar Inverter - A standalone solar power system for households	Dr. Sneha Kabra, Ms. Himani Dua Ms Ritika Chopra	5	1 year
317	Mobile phone based attendance app: an innovative approach towards futuristic e-colleges	Ms Preeti Singhal Ms Monika Tyagi Mr Sumit Kumar	3.5	1 year
318	Color detecting App	Surrendered	5	-----

Research Publications

1. Saxena, P., Saxena, R. R., & Sehgal, D. (2016). Efficiency evaluation of the energy companies in CNX 500 Index of the NSE, India using data envelopment analysis. *Benchmarking: An International Journal*, 23(1), pp 113-126.
2. Saxena, P. (2016). Benchmarking efficiency of Delhi Transport Corporation: a data envelopment analysis approach. Published in *Lecture Notes in management Science*, Vol.8, pp.33-40 ISSN2008-0050 (Print), ISSN 1927-0097 (Online).
3. Kaur, J. (2016). Physical developer technique for detection of latent fingerprints: A review *Egyptian Journal of Forensic Sciences*, 6, pp 44-47.
4. Singh, N., & Kapoor, A. (2015, August). Cloud Hopfield neural network: Analysis and simulation. *International Conference on Advances in Computing, Communications and Informatics (ICACCI)*(pp. 203-209). IEEE.
5. Soni, N., Singh, N., Kapoor, A., & Sharma, E. K. (2016, March). Face recognition using cloud Hopfield neural network. In *International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET)*, (pp. 416-419). IEEE.
6. Bhardwaj, Daya ,& Kaushik, Nutan(2016). Comparison of analytical methods in combination with multivariate techniques for the quality assessment of raw material and formulations containing *B. aristata* and its related species, In 2nd International symposium on Plants and Microbial products (ISNPMP 2016) organized at IHC Delhi from March 1-2.
7. Bhardwaj, Daya ,& Kaushik, Nutan(2015).Interspecies variability assessment of *B. aristata* and its related species using HPLC fingerprinting and principle component analysis for standardization and quality control of their herbal drugs. In 3rd International Conference and Exhibition on Pharmacognosy, Phytochemistry and Natural products, organized by OMICS from October 26-28, Hyderabad , India.
8. Yadav A, Bajaj D, Dholakia P, Jain B, Sharma D, Tewari D, Saxena D,Gupta, D,Sahni D,Raveendran K, Singh L, Manchanda M and Ray P. (2016). Health Buddy — Mobile based Nutritional intake tracking Application for young college students”, *Conference Proceedings, National Conference on Advances in Food Science and Technology NCAFST’16*, 16-17 March, pp 103-107, ISBN No. 978-93-81156-43-8, Cherub Digimax, Delhi.
9. Agarwal, K. & Singh, R Agarwal, K. & Singh, R Agarwal, K. & Singh, R Agarwal, K. & Singh, R.(2016). Vitamin D Deficiency: Emerging Epidemic Meeting the challenge, *National Conference on Advances in Food Science and Technology NCAFST’16*, 16-17 March, pp. 103-107, ISBN No. 978-93-81156-43-8, Cherub Digimax, Delhi
10. Dholakia Para, Asha Yadav, and Deepali Bajaj. (2016).Development of an Android based mobile application to track nutritional intake of young college students. In *International Conference on Challenges, Opportunities, Awareness and Prevention (Public Health: 2016)*.
11. Bajaj Deepali, Isha Mangal, and Asha Yadav (2015).Towards an understanding of Li-Fi: Next generation Visible Light Communication Technology. *International journal Pf Engineering And Computer Science*, 4 (2015): 11638-1164.

12. Bajaj Deepali, and Asha Yadav (2015). Exploring Big Data Analysis Pipeline and Comparative Summarization of Mining Tools. International journal for scientific research and development, pp.124-127.
13. Bajaj Deepali, Himani Kaira, Gunjan Jawla and Shreyra Ranjan.(2016). Development of an Electronic Voting System.□ In National Conference on Advancements in Electronics and Computer Applications (NCAECA), pp. 55-58, 2016.ISBN: 978 – 93 – 5254 – 496 – 7)
14. Ranjan Shreyra and Deepali .(2016). Sentiment Analysis : A new paradigm in Natural Language Processing. In National Conference on Advancements in Electronics and Computer Applications (NCAECA), pp. 45-48, ISBN: 978 – 93 – 5254 – 496 – 7)
15. Saxena Shradha; Gupta, Disha; Unnikrishnan, Athira ; Hemlata; Yadav, Sandhya; Mehta, Shobha; Verma, Dhvani and Joshi Deepa.(2016). To compare the efficiency of Chlorination, U V Treatment and Reverse Osmosis treatment of water. In Proceedings of the National Conference, Advances in Food Science & Technology. ISBN 978-93-81156-43-8, March, 16-17, pp. 25-31.
16. Doda,Silky; Mishra, Varsha ; Khan, Nazia; Kapoor , Nishtha; Sakshi and Joshi Deepa. (2016). Microbial Analysis of tap water from different zones of Delhi. In Proceedings of the National Conference, Advances in Food Science & Technology. ISBN 978-93-81156-43-8, March, 16-17, 100-112.
17. Arora, Indu; Joshi, Deepa: Kaur, Jasjeet. (2016). Size Dependent efficacy study of silver nanoparticles against food spoilage microbes”. A poster. In Proceedings of the National Conference, Advances in Food Science & Technology. ISBN 978-93-81156-43-8, March, 16-17.
18. Mohammed , Samim, , Mohammad Anwar, Yadav ,Deepak, Jain ,Swati, Kapoor ,Sumeet, Arora ,Indu, Rastogi .Shweta. (2016). Size- and Shape-dependent Clinical and Mycological Efficacy of Silver Nanoparticles on Dandruff. International Journal of Nanomedicine IJN, 2016, 147.
19. Chawla,S.(2015). Optimization of Clusters of Web Query Sessions using Genetic Algorithm for Effective Personalized Web Search, International Journal of Computer Applications , Vol 122, No.9, pp. 9-17.
20. Chawla,S.(2015).Domainwise Web Page Optimization Based On Clustered Query Sessions Using Hybrid Of Trust And ACO For Effective Information Retrieval, International Journal of Scientific & Technology Research , Vol 4, No. 11,pp 196-204
21. Chawla,S.(2016). Application of Genetic Algorithm and Back Propagation Neural Network for Effective Personalize Web Search-Based on Clustered Query Sessions. International Journal of Applied Evolutionary Computation (IJAEC), Vol 7 No. 1, pp 33-49.
22. Sachdeva Tina, and Sharma Nehal.(2016). Future Architecture of General Purpose computing on Graphics Processing Units(GPGPU), In National Conference on Advancements in Electronics and Computer Applications (NCAECA), February , (ISBN: 978 – 93 – 5254 – 496 – 7)

23. Sharma Deeksha, and Yadav, Asha.(2016) Visualization of Big Data: Tools and Techniques for Data-Driven Decision Making. In National Conference on Advancements in Electronics and Computer Applications (NCAECA), pp. 37-40, (ISBN: 978 – 93 – 5254 – 496 – 7)
24. Rani Megha, Singh, and Yadav ,Asha.(2016). RMart: A Digi Campus. In National Conference on Advancements in Electronics and Computer Applications (NCAECA), pp. 49-51, (ISBN: 978 – 93 – 5254 – 496 – 7)
25. Nomaan Areeba, Tiwari Neha, Shukla Vartika, Roy Projes and Seema.(2016).The Evolution of the "BOW-HEADED Tribe . In National Conference on Advancements in Electronics and Computer Applications (NCAECA), pp. 25-28.
26. Seema, Pandey Divya and Ahmad ,Parvez. (2016). Cyber War: An Open Challenge to Our Nation. In National Conference on Advancements in Electronics and Computer Applications (NCAECA), pp. 84-88.
27. Tyagi Monika, Singhal Preeti, Kumar Sumit, Bhatt Damini, Rai Akshara, Pandey Madhu and Gupta Ritu. (2016).Designing a Mobile Application with OTP technique as an enhancement to e-attendance. In National Conference on Advancements in Electronics and Computer Applications (NCAECA),
28. Sharawat SK, Raina V, Kumar L, Sharma A, Bakhshi R, Vishnubhatla S, Gupta R, Bakhshi S. (2016). 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 May;143(Supplement):S11-S16. doi: 10.4103/0971-5916.191740. PMID: 27748272
29. Meena Poonam, Nemaysh Vishal, Khatri Manisha, Manral Apra, Luthra Pratibha Mehta and Tiwari Manisha (2015), Synthesis, biological evaluation and molecular docking study of novel piperidine and piperazine derivatives as multi-targeted agents to treat Alzheimer's disease, Bioorganic and Medicinal Chemistry, 23(5), 1135-48.
30. Ali Safdar, Kumar Sudhir, Ali Sher (2016) Ascertaining the genetic status of the chromium exposed human y chromosome. International Journal of Advanced Technology in Engineering and Science, 4(1):127-137. ISSN 2348 7550
31. Alam M, Iqbal M, Thadari B, Ali S (2016) Imex Based Analysis of Repeat Sequences in Flavivirus Genomes,Including Dengue Virus. J Data Mining in Genomics and Proteomics 7:1. ISSN 2153-0602. DOI:10.4172/2153-0602.1000187.
32. Anchitaa, Gupta M, Ahlawat S, Gupta V, (2016) “Electronic Gadgets – From Affection to Addiction: Literature Review”, Conference Proceeding, National Conference on Advancements in Electronics and Computer Applications NCAECA’2016, 4-5 February, 2016, Page 14-18, ISBN No. 978-93-5254-496-7.
33. Pandey M, Gupta P, Rai S, Gupta S, Ahlawat S, Gupta V, (2016) “IIR Digital Low Pass Filter design and research and simulation result on SCILAB”, Conference Proceeding, National Conference on Advancements in Electronics and Computer Applications NCAECA’2016, 4-5 February, 2016, Page 7-10, ISBN No. 978-93-5254-496-7.
34. Sharma A, Bajaj S, Bishnoi V, Ahlawat S, (2016)” Advanced Communication in Digital World”, Conference Proceeding, National Conference on Advancements in Electronics and

35. Katyal, N, Natasha, Kapoor A, (2015) “ Controlling the direction of energy transfer for higher-order self-diffraction in Photorefractive sillenties-A numerical approach, OptiK 126(2015) 5941-5945.
36. Bajwa Usha and Mittal Shikha (2015), Quality characteristics of no added sugar ready to drink supplemented with mango pulp: Journal of Science and Technology, 52 (4): 2112-20.ISSU: 0022-1155.
37. Goel Shikha (2016). Formulating low calorie dairy foods: challenges and opportunities. In Proceedings , National Conference on advances in Food Science and Technology NCAFST' 16-17 March, PP 64-70 ISBN 978-93-81156-43-8, Cherub Digimax, Delhi.
38. Gool,Shikha (2016). Designer Food: an emerging concept. In proceedings, National conference on Advances in food science and technology NCAFST' 16 16-17 March, PP 158-168, ISBN 978-93 -81156-43-8, cherub Digimax, Delhi.
39. Verma C, Prajapati P, (2016) “ Emerging Non-Thermal techniques of Minmal Processing of Food”, International Journal of Research in Medical and Basic Sciences, 2(4), 24-29, ISSN: 2455-2569.
40. Verma C, Gupta D, (2016) “Thermal techniques of Mnimal Processing of Foods”, In the conference proceedings of NCAFST.
41. Vandana, Kapoor, Ragya (2016), “Analysis Of Pesticide Residues in Grapes After Different Treatment Using HPLC” (Conference Proceeding).
42. Vandana, Sabharwal Prabhjot (2016) ”Sustainable Utilization of Waste From Citrus Fruit Processing Industry-A review (Conference Proceeding)
43. Chaturvedi Saumya , Goel Shruti Namrata Rajput Neetu (2016) “Effects of Temperature on Physical Properties of Some Fats and Oils”. (Conference proceeding)
44. Chaturvedi Saumya , Gupta Anchal ; Arora Shrishti , Baloni Swati , Jalan Shruti “ Osmotic Dehydration of Papaya Optimization and Comparison (Conference Proceeding)
45. Varsha Mehra , Smita Mishra , Manisha Khatri, Plant Based Drugs : Heel in Tuberculosis Treatment (Conference Proceeding In National Conference as a Food Safety & Security , SRCASW)
46. Chopra R , Saxena ,R , Type 2 “Fuzzy Linear Programming Problem With Interval Valued Linear Programming Approach” , Journal of Fuzzy Mathematics 2015,23(4),813.
47. Chopra R , Saxena p , 2015 “Possibilitic Linear Programming with Triangular Intuitionistic Fuzzy Numbers “ Advances in Fuzzy Mathematics , 10 (1) , 91 – 98.
48. Arora Nishtha , Agarwal Nidhi , Reddy SRN “ Function An Interactive Learning Experience Using Story Narration” ICCCT 15 September 25 – 27 ACM Publication .
49. Aggarwal Nidhi , Reddy SRM, “ Low Cost Home Automation System Based on ARM Processor National Conference on Product Design” 1 – 3rd July 16.

50. Reshma Sinha , Jasdeep Kaur Dhanwa , Suchika Kaila,” Understand DRAM Power Reduction through Simulating Low Power Modes ” 5th IEEE International of Advance Computing Conference 2015.

Star College Activities

Visits to Research Institutes/Industries

- 75 students from the three participating Departments visited Regional Center for Biotechnology (RCB), Faridabad on 3rd Feb, 2016
- An educational visit for 50 students of B.Sc. (H) Biomedical Science to International Center for Genetic Engineering and Biotechnology (ICGEB) was arranged on 20th October, 2015.
- One educational visit to the Indian Medicines Pharmaceutical Corporation Limited (IMPCL) was also organized for around 50 students of Department of Biomedical Science.
- Instrumentation Department organized a one day industrial tour to Envirotech Instruments Pvt. Ltd. situated in Okhla Industrial Area on 14th December, 2015 for final year students (35).
- Instrumentation Department has organized a one day industrial tour to Institute of Nuclear and magnetic Allied Sciences (INMAS) on 18th December, 2015 for second year students (40).
- Instrumentation Department has organized a two day industrial tour to Central Scientific Instruments Organization (CSIO), Chandigarh on 14th -15th April, 2016 for second and third year students (75).

Seminars/ Symposia/ Conferences organized for Teachers/ Students

- Department of Biomedical Sciences organized 'World Pharmacy Week (4th – 11th Sept) on 9th Sept, 2015 in essence of spreading awareness to the use and effects of pharmaceuticals, substantiating this with the authentic visuals and presentations.
- Department of Biomedical Sciences organized “World Alzheimer's day” 21st Sept, 2015 for the whole college students in order to spread awareness about the causes, preventive measures and its biological and molecular aspects. Eminent scientists and social activists grace the occasion.
- “Chimera”, the Biomedical Science society of Shaheed Rajguru College of Applied Sciences organized its technical fest ‘PLEXUS-2015’ on 14th October 2015 with the theme “NEUROSCIENCES”.
- Department has also organized an interaction with the first batch alumnus, Ankita Arora on 22nd January, 2016. She has completed her Ph.D from Germany and gave a presentation on her Ph.D. work.
- Department of Instrumentation organized a workshop on “ Spectroscopic and Chromatographic Techniques” on 7th -8th January, 2016 for Food Technology and Biomedical Science students. (Participants: 100 students, 10 Faculty)

- Department of Instrumentation of Shaheed Rajguru College of Applied Sciences for Women organized its Annual technical fest, Technexus 2015, on 14th October'2015. An invited talk on "Quality control and standardization of Herbals" by Ms. Anubhuti Pasrija, Senior Scientist, Dabur India Ltd was conducted for all the three participating departments under the Star DBT scheme.
- Department of Instrumentation and Robotics club of Shaheed Rajguru College of Applied Sciences for Women (University of Delhi) in association with IEEE EDS Delhi chapter and Futronix Automtion Pvt Ltd, organized one week short course on PLC and SCADA from 25th May 2016-31st May 2016. The event was co-sponsored by IEEE EDS Delhi Chapter and DBT Star College Scheme. (Participants: 50 Students)
- The Department of Food Technology, organized first National conference on "Advances in Food Science and Technology" on 16th -17th March, 2016. It provided a common platform to research scholars, academicians, industry professionals and students to share new innovations, research findings, recent trends and developments in the area of Food science, Nutrition, Safety, Food Regulatory affairs etc.
- An event was organized by the Department of Food Technology on the occasion of World Heart Day ie; 29th Sept, 2015.
- Department of Food Technology organized World Food Day on 13th October, 2015. The event was graced by a number of eminent scientists, delivering talks.
- A counselling session on "Career opportunities in Food Technology" was organized for students on 13th February, 2016.
- To encourage budding managers & entrepreneurs in and around Delhi University Colleges, the E-Cell of college organized a management fest entitled CONQUEST on 30th March, 2016. Keynote speakers were Prof. S.K. Palhan, Director, Great Lakes IEMR, Gurgaon , Mr. Siddhant Bhansali , an Entrepreneur who has mentored over 150 startups across multiple domains and Ms. Runjhun Gupta, Entrepreneur, Artist, Inspirational speaker, Founder at ZipOut.
- Department of Food Technology organised two day training programme on 16th - 17th June 2015 with National Centre for Cold Chain Development (NCCD), wherein 35 students and faculty from food technology and Instrumentation department attended classroom sessions and field visit to a ripening unit.

Guest Faculty Invited By Different Participating Departments

Department of Bio-Medical Science

Name	Designation	Host Institute	Duration of visit	Topic of Lecture/Discussion
Dr. Pravat K. Mandal	Scientist, National Brain Research Center	Shaheed Rajguru College	21 st Sept, 2015	Biological and Molecular Aspects of Alzheimer's Disease
Dr. R. Narendhar	Director ARSDI	Shaheed Rajguru College	21 st Sept, 2015	How to deal with a Alzheimer's Disease Patients
Dr. N. K. Bhatia	Director, Mission Jan Jagriti Blood Bank	Shaheed Rajguru College	21 st Sept, 2015	Blood Donation
Dr. B. N. Mallick	Professor, JNU	Shaheed Rajguru College	14 th Oct, 2015	Neural Substrate of Sleep associated to dream
Dr. Beena Sawhni	Directorate General of Health Services, Ministry of Health and Family Welfare, Govt. of India	Shaheed Rajguru College	14 th Oct, 2015	Basics of Neurobiology
Dr. Pradeep Srivastava	Scientist, CDRI Lucknow	Shaheed Rajguru College	12 th Jan, 2016	Nanoscientoons

Department of Food Technology

Name	Designation	Host Institute	Duration of visit	Topic of Lecture/Discussion
Mr. Neeraj Sharma	Consultant, Food and Agribusiness	Shaheed Rajguru College	13 th October	Social Protection and Agriculture
Dr. TSR Murali	Chief Research and Development officer, Mother Dairy Pvt. Ltd.	Shaheed Rajguru College	13 th October	Social Protection and Agriculture
Dr. Shaminder Pal Singh,	Director Scientific and Regulatory Affairs, Pepsico India Ltd.	Shaheed Rajguru College	13 th October	Social Protection and Agriculture
Dr. M.K Salooja	Director SOA, IGNOU	Shaheed Rajguru College	16 th October	Session Chair
Dr. Hari Prakash –	Joint Director, Quality Council Of India	Shaheed Rajguru College	16 th October	Topic: Organic Agriculture: Important for Food security and Safety
Dr. S.P.Garg – Former	Director, Central Food Laboratory, kolkata	Shaheed Rajguru College	16 th October	Laboratory Standard
Ms. Manasi Shukla Trivedi-	Former Programme Policy Officer (Food Technology) United nations World food Program, New Delhi	Shaheed Rajguru College	17 th October	Reducing micronutrient malnutrition through fortification
Dr. Anupa Siddhu	Director, Lady Irwin College, Delhi University	Shaheed Rajguru College	17 th October	Session Chair
Dr. Hari Prakash	Joint Director, Quality Council Of India	Shaheed Rajguru College	17 th October	Organic Agriculture: Important for Food Security and Safety
Dr. Alok Shah	Member Secretary, LSRB, DRD	Shaheed Rajguru College	17 th October	New Horizon in food science and Technology

Dr. Seema Shukla	Assistant Director, Export Inspection Council of India	Shaheed Rajguru College	17 th October	International Food Regulations
Mr. K L Radhakrishnan	Former Secretary , AIFPA	Shaheed Rajguru College	17 th October	Session Chair

Department of Instrumentation

Name	Designation	Host Institute	Duration of visit	Topic of Lecture/Discussion
Ms. Anubhuti Pasrija	Senior Scientist, Dabur India Ltd	ShaheedRajguru College	14th October'2015	Quality control and standardization of Herbals
Professor Mridula Gupta	Chairperson, IEEE EDS Delhi Chapter and Professor, Department of Electronic Science, University of Delhi South Campus	Shaheed Rajguru College	25 th May'2016	Chief Guest, 7 days workshop on PLC and SCADA
Professor A.L Aggarwal	Regional Environment Management and EIA Expert	Shaheed Rajguru College	25 th May'2016	Guest of Honour, 7 days workshop on PLC and SCADA
Mr. Parvinder Singh,	Project Manager at CORONET Engineer Private Limited	Shaheed Rajguru College	25 th -31 st May'2016	“Industrial Automation”

Trainings for teaching and non-teaching staff (under Delhi Government)

S.No	Year	Name	Name of the Training July 2015 to June 2016
1.	2015	Ms.Parveen Parve Mr.Chaman Giri	Retirement Planning
2.	2015	Ms.Para Dholakia	Sensitization programme regarding North East India
3.	2015	Mr.Shashi Kumar	Orientation Course
4.	2015	Dr.Jasjeet Kaur	Procurement Process
5.	2015	Mr.Shashi Kumar Sharma	Incident Response System (IRS)in Disaster Management
6.	2015	Mr.Kamal Kumar Kanoujia	Gender Sensitization
7.	2015	Mr.Ram Prabesh Rai	Consumer Rights
8.	2015	Dr.Sadhna Jain	Sensitization of Prevention of Sexual Harassment at work place
9.	2015	Mr.T.N.Ravi Mr.Saaket Kumar	Leadership and Motivation
10.	2015	Ms.Parveen Parve Ms.G.Vijaya	Training on Self Defence for Women(Level 1)
11.	2015	Ms.Sweta Arya	Etiquettes and Civic Sense
12.	2015	Mr.Shashi Kumar Sharma	Basic Life Support and First Aid
13.	2015	Mr.T.N.Ravi	Refresher Course on Vigilance Matters
14.	2015	Ms.Parveen Parve	Refresher Course for Personal Assistant/ Private Secretary
15.	2015	Mr.Manoj Pathak	Provisions of Income Tax Under IT Act, 1961
16.	2015	Mr.Duli Chand Mr.Krishan Pal	Orientation Course for Safai Karamcharies/ Sanitation Staff
17.	2015	Mr.Sunder Lal	Orientation Course for Staff Car Drivers/ Vehicle Operators
18.	2015	Mr.T.N.Ravi	Retirement Planning
19.	2015	Dr.Sadhna Jain	Complaint Handling Mechanism for Sexual Harassment Committee
20.	2015	Mr.A.R.Unni Krishnan Nair	Communication Skills
21.	2015	Mr.Ram Prabesh Rai	Etiquettes and Civic Sense
22.	2015	Mr Rampravesh Rai	Record Management
23.	2015	Mr.K.K Kanoujia	Karyalayeen Hindi Mein Dakshta
24.	2015	Ms.Parveen Parve	Noting, Drafting and Office Procedure
25.	2015	Mr.Chaman Giri	Pay Fixation
26.	2015	Mr.A.R. Unnikrishnan	CCS(CCA) Rules and Conduct Rules

27.	2016	Dr.Varsha Mehra	Purchase Procedure in Government
28.	2016	Mr.Chaman Giri	Refresher Course on Office Procedure
29.	2016	Mr.Ram Prabesh Rai	Record Management
30.	2016	Mr.Naresh Jairath	Refresher Course on Accounts Matters
31.	2016	Mr.Ram Lal	Rights and Welfare of person with Disabilities
32.	2016	Mr.Gagender Puri	Basic Computer Operations
33.	2016	Dr.Varsha Mehra	Project Management
34.	2016	Dr.Mohd Saquib Ansari	Civil Rights and Human Rights
35.	2016	Dr.Alka Vohra Kuanr Dr.Sadhna Jain	Sensitizations for Prevention of Sexual Harassment at work place
36.	2016	Dr.Rekha Mehrotra	Consumer Rights
37.	2016	Dr.Mohd Saquib Ansari	Sensitization Programme regarding North East India
38.	2016	Dr.Sadhna Jain	Sensitization Programme regarding North East India
39.	2016	Mr.Dinesh Kumar	Communication Skills
40.	2016	Mr.T.N.Ravi Mr.Saaket Kumar	Leadership and Motivation
41.	2016	Mr.A.R.Unni Krishnan Nair	Service Matters
42.	2016	Mr.Manoj Pathak	Account Matters
43.	2016	Mr.Shashi Kumar Sharma	E-Office
44.	2016	Dr.Shruti Banswal	Ethics and Values in Governance
45.	2016	Mr.Ravi	Basic Computer Operations
46.	2016	Mr.Shashi kumar	Contract Management
47.	2016	Mr.Kamal Kumar	Etiquettes and Civic Sense
48.	2016	Mr.Saaket Kumar Mr.T.N.Ravi	Team Building and Group Dynamics
49.	2016	Mr.Ram Prabesh	Karyalayeen Hindi Mein Dakshta

Entrepreneurship Development Cell

Entrepreneurship in India is yet to reveal its hidden potential. It will not only help India to frontier with the world leaders but also unlock the quality of brains that we are so proud of. With this idea, Shaheed Rajguru College of Applied Sciences for Women established the Entrepreneurship Development Cell on 9th October, 2015, inaugurated by the honourable Deputy Chief Minister, Govt. of NCT Delhi, Mr Manish Sisodia. Our E-cell wishes to inculcate and enrich the entrepreneurial environment in India by creating an easily accessible and exhaustive set of resources for the young entrepreneurs, which includes the students, the budding professionals and mentors.

Our E-Cell effectively meets these objectives through networking student enterprises from campus to companies, seeding funds and investors to transform the newly proposed ideas into successful start-ups. Workshops and inter college competitions are organised in association with national professionals and eminent personalities to inspire and invoke the giant potential within the students & to create awareness and motivate students about entrepreneurship. The E-cell will also conduct a myriad of activities throughout the year, for the benefit of students within the Delhi University and other colleges of India. The E-cell will also garner mentoring support from the industry experts in order to channelize and refine raw entrepreneurial energies that go on to become successful business.

The E-Cell group participated in the National Entrepreneurship Challenge (NEC) organised by IIT Bombay & secured second position all over India, amongst a tough competition between fifty colleges. The E Cell plans to establish an incubation centre in the college with the help of ISBA having objective of helping students in transforming their ideas into reality & to begin their start-ups. In order to plan this, four faculty members of the college attended a workshop on various aspects of INCUBATOR CELL on 4th March, 2016 at 9, Springboard Okhla.

To encourage budding managers & entrepreneurs in and around Delhi University Colleges, the E-cell of college organized a management fest entitled CONQUEST on 30th March, 2016. We had around three hour lecture session from our keynote speakers Prof. S.K. Palhan, Director, Great Lakes IEMR, Gurgaon, Mr Siddhant Bhansali, an Entrepreneur who has mentored over 150 startups across multiple domains and Ms. Runjhun Gupta, Entrepreneur, Artist, Inspirational speaker, Founder at ZipOut.

Apart from the Expert Talk Series, fest witnessed a series of competitive events related to the management skills aimed at providing to participants the exposure to the real world work experience. The following were the list of events for CONQUEST, 2016: **Innovace-** a Business Plan Competition, **Marketing Madness-** Where a company name and tagline were given and students had to give a new tagline to the company, **Treasure Hunt and Idea Stall-** Where students could sell their new products and services by setting up a stall.

The event was a great success and saw participation from various colleges from across Delhi University as well as other colleges in Delhi and NCR.