

Self Study Report

(March - 2016)



Dyal Singh College
(University of Delhi)
Lodhi Road, New delhi-110003

Track ID : DLCOGN20788

Submitted to

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P.O. Box No. 1075, Nagarbhavi, Bangalore - 560 072

Self-Study Report

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PREFACE

Dyal Singh College owes its origin to the philanthropic generosity and foresight of Sardar Dyal Singh Majithia, founder of "The Tribune" newspaper and "Punjab National Bank", who willed his vast wealth in 1895 for the setting up of an education trust for a truly secular college. Consequently, Dyal Singh College was established in Lahore in 1910. After the partition of India, Dyal Singh College was re-established at Karnal (in 1949) and Delhi (in 1952). It is functioning at the present location in Delhi since 1959 and was taken over by the University of Delhi as a university-maintained institution in 1978.

The college campus of over 11 acres of land at Lodhi Road in South Delhi is centrally located in the vicinity of several institutions of national/international significance. This prime location is of a great leverage as it offers tremendous connectivity and accessibility across all forms of public transport including the Delhi metro. The college is imparting education to over 5,800 students, including many students from abroad, in 19 courses of which twelve are undergraduate Honours courses and two are post graduate courses. The college has well qualified faculty numbering over 250 and over 100 dedicated non-teaching staff. The college library with a collection of 1,00,000 books and e-journals is catering to the academic needs of students and faculty. The library is equipped to assist visually challenged students as well. The college is equipped with a good number of sports facilities, Wi-Fi connectivity, CCTV surveillance, public address system and medical room facility. Realising the debt to Mother Earth, efforts are directed to make the college a 'Green Campus'. The steps undertaken assiduously towards this goal include building of Effluent Treatment Plant, Grid connected Solar Power

Panel and water harvesting system, and efforts to generate organic manure, use of recycled paper and have IGL gas connectivity towards efficient resource management.

The college is submitting the Self-Study Report to NAAC for accreditation in compliance of the Letter of Intent requirements for further quality sustenance, enhancement and improvement of college. I am confident that this report shall help the college in further enhancement and improvement on all fronts. The exercise of preparing this report has provided us an opportunity to review and analyse the functioning of the college and further strengthened our resolve for quality in times to come. The faculty and staff worked as a team to collate & compile the required information & this report therefore is a collective effort of all.

The growth chart of the college over the last six decades further strengthens our resolve for improvement in future. We strive for further improvement by adopting inclusive, innovative and skill-oriented initiatives to create conducive environment for students to gain insight in their academic pursuits. This would ensure not only that they are employable and contribute to their own growth story but also to that of the college, the university, society and the nation. The college aspires to provide ample opportunity to the students to grow into responsible human beings.

We aim to live up to the ideals of our founder Sardar Dyal Singh Majithia and translate this secular, progressive and inclusive vision into reality by imparting quality higher education to the people as a public institution.

(Dr. I.S. Bakshi)
Principal

EXECUTIVE SUMMARY

A Self Study Report is an opportunity to critically introspect over institutional practices and, in a certain sense, individual achievements within the community of learners. But to do it within the stipulated framework of NAAC, is in a sense a very limited exercise. This report straddles both the worlds of challenges and opportunities in a sincere way which will benefit the college as well in the given framework to comprehend the issues of quantification and quality in matters of accreditation. We hope Dyal Singh College is able to convince and justify everyone concerned, about its legacy, the present and the vision we have as outlined here.

Criterion I- Curricular Aspects

The “gathering of the wisdom of the East and the West” is what the college has set out to do. It strives to prepare young men and women to be scientific in temper, questioning in attitude and ready to invent means and ways to face challenges of life and society. The college follows the curriculum set by the University of Delhi. The faculty members participate in the preparation of the curriculum, wherever there is a possibility and structural space to do so. In fact, in most of the departments, in the best spirit of democracy, college teachers are included in the general body which is where the discussions about curriculum and other academic issues are carried out, particularly whenever a change is made.

The basic pedagogical exercise of teaching and learning takes the form of age-old, some say conventional, practice of class-room activity, laboratory and library work, use of some technology as computers and internet to gather more information and constantly try to engage in appreciation of various ways of reasoning. Both students and teacher do this within the framework of set curricula of the University. The college is trying to move towards a regime of feed-back from students in curricular activities, requirements and changes.

Criterion II-Teaching, Learning and Evaluation

Beginning with the admission process the college provides congenial atmosphere to the students. The admission process is a public and transparent process, with public announcements/advertisements to students volunteers helping in the process. As per constitutional requirements, we do follow the reservation of various weaker sections in our society and enable them to take to higher education seriously for their own as well as the benefit of the society. The Principal does the admissions on the recommendations of the Admission Committee, which is a part of the Statutory body 'Staff Council' of the College. There is also an Admission Grievances Committee. Every year after the admissions are over, a report of the Admission Committee is placed in the Staff Council and a review is done of the work for the benefit of the procedural (or otherwise) improvements, could be adopted next year.

There is no profiling of students done, which was even otherwise also, not fashionable in yester years. With the Adhaar Card etc., this has become an acceptable practice though. Anyway, we do note the varied nature of our student community in terms of the various parts of the country they come from and the

languages they use in conversations so that we can enable their seamless entry into the college and its academic life. The socio-economically weaker are provided free-ships from the time of the admission on the recommendations of a Fee Concession Committee. For the differently-abled students, the college has made provision of ramp in required places and Tac tiles all over the college building. For the visually challenged students the college has made provision for a Braille collection in the library as well as computers with JAW software. However limited the provision might be, these have been used by the students for some years. There is a Braille-printer also in the library for the benefit of the visually challenged. Opportunity to the girls students to pursue higher education are given a serious concern by our college by providing 2-3% concession in cut off percentage at the time of admission. Also, girl students are encouraged to take advantage of the activities of the WDC (Women Development Cell) and the Women Advisory Committee. They are made aware of the Internal Complaints' Committee, which looks into the cases of sexual harassment. The Enabling Unit of the College holds regular workshop and sessions for the physically challenged students of the college.

In teaching care is taken by the teachers to complete the course in time and clear the doubts of the students. Students are allowed a little time before the examination as preparatory time when the teachers are available for the students for any special need that they may have before the examinations. Academic committee every year determines the work-load in every department taking into account the numbers of papers, maximum marks of the papers, no of student opting for the paper etc. And then open advertisement precedes any appointment of teachers in the college. Refreshers courses and Orientation courses are the avenues for the teachers, for the 'recharge' of teaching faculty. Besides this teachers are encouraged to attend seminar/conference/workshop to enhance/update their knowledge of the subject.

Students always remain in the focus of all that happens in the college. For example, the library, the Wi-Fi, digital projectors in class-rooms, the computer resource centre, the NSS activities, the sports facilities, NCC and arts & culture etc. activities, all are geared to cater to the healthy body and mind of the students. Whether it is AC in the Library, or computers in the computer resource centre, or maintenance of the building, fittings in the labs or purchase of sports goods, the students' interest remains the top priority. The college is providing weekly psychological counselling to students who need that, besides of course, a good number of teachers mentoring their students personally.

Students' evaluation in both Internal and University examinations are done by the teachers and a fair proportion of our students do clear the university examination with flying colours.

Criterion III- Research, Consultancy and Extension

Individual teachers in a varied ways have been engaged in research activities. The College has ably supported the research projects of such teachers individually.

Teachers have been guiding research from the under-graduate level in Innovation Projects of the University of Delhi (numbering 18 completed & ongoing); as mentors to supervising M.Phil. (numbering 3) and PhD (numbering 22)

dissertations. There are about 20 research projects which are being led by teachers of the college as Principal Investigator. These projects are being financed by CSIR (1), DBT (1), DST (1), ICMR (1), ICSSR (5), Indo-French Project (1), and UGC (10). And the funds are to the tune of Rupees 4cr approximately. The projects are also on a wide variety of themes and subjects such as nano technology to capital market.

The college as a facilitator for the research projects has three specialized labs for Chemistry, and one work station for Physics. These are beside the other common provisions of a Computer Resource Centre, Internet, Wi-Fi facility as well as work-permission to use labs at AIIMS, IIT Delhi and different departments of University of Delhi. This last one necessitates collaboration and communication of an academic kind. The Library facilities include accessibility of e-journals, e-books, OPAC, INFLIBNET and such other provisions for the researchers. The Library of the College though provides largely to curricular imperatives of undergraduate scholars, yet has been very often useful for researchers too. The college has also taken care to ensure hurdles-free passage of grants and procurements for research work in the college. No researcher has neither been inconvenienced nor has ever brought any complaint regarding this.

The average number of publications per faculty stands at 6.63 and the several research result patented stands at 13, which includes both national and international accreditations. These figures say certain things but what they hide and more important, is the participation of faulty members in the universal march for knowledge and critical truth. We have listed the achievements of 25 teachers and the various laurels they have received at various times in their respective career.

The question of consultancy is of a different order than this institution. This institution stands for a hope of higher education in a time of expensive private and paid higher education for those who will remain without access to it in our society. It is a state-funded institution. Whether the knowledge created by members of faculty or the institution is useful to any profit making corporate/industry cannot be addressed in our acts. We remain committed to higher education for a large part of our weak society. Society remains in the focus of both the students and the faculty.

The students do carry the values and passion to relate to the need of the society at various levels, and through our various institutional practices. The NSS, the NCC, the Debate Club, the nature and Adventure Club, the Drama Club, the Music and Dance Club are all there, where a large number of students spend a fair share of their time in the college and do find it fulfilling. Most of these are re-creational partly and partly educational, in the sense of realization of small social responsibilities and addressing the larger issue confronting the society in small and creative manner. Blood Donation Camps, Plantation drives, Cleanliness drives, anti-ragging awareness, mental health awareness, confronting gender bias in day to day life through martial art training etc. are the activities where students, both boys and girls engage and relate to the society at large. They even theatrically present some of these problems, such as the discrimination against the girl child, the prejudice against the freedom of the girl-child. There are ways too -as poster and slogan campaigns against hazards of smoking, or addiction to drugs, the merits of planting trees. Besides, there are seminars, talks, symposia, which are a recurring

feature of the college life and can make only a sterile list but those have been of immense importance for the teaching –learning experience in the college.

Criterion IV- Infrastructure and Learning Resources

The physical dimensions of the land, building of the College, number of classrooms, numbers of laboratories, numbers of computers in various departments of the college, the numbers of books and journals in the library of the college etc. have been detailed in the report as a primary infrastructure of the college. These are vital to our institution. And in fact, these aspects are sufficiently stressed now due to the staggering numbers of students admitted in the college year after year. The numbers of students are much above what the patron institution, such as UGC, have designed it for.

Another important aspect of the infrastructure is the shared idea that the institution stands for ‘education’. So the learning resources flow through books, internet, and most importantly, through the interactions of teachers and students. Within the limits of the funds available for material sustenance and gradual ‘growth’, the pedagogical exercises do continue, and further reinforce the shared idea of ‘education’.

Criterion V- Student Support and Progress.

The College as an institution of higher learning has tried to serve and help the students. The students’ life in college begins with the admission process. The information provided in the admission brochure and the generous explanation of the same by individual teachers and administrative staff of the college helps the students to feel comfortable in the new atmosphere. Students are informed about the academic routine and the general code of conduct in the institution at the beginning of the session in the “fresher’s orientation”. The students, of course, take to the co-curricular as fish to water, without much guidance and help. But the institution provides them with the various clubs (such as Dance, Drama, Debate, Music, etc.) and subject societies (such as Botany Society, History Society, etc.) as platforms which they use rather creatively. The discipline and finance of all these clubs and societies rest with the faculty members and administration. We have a Sports and Physical Education department to methodically help sports persons and the persons so inclined. There are specialists/coaches appointed to groom students in different departments of sports and games and participate in intra-college, inter-college, national and international sports events.

The college is strictly a ‘no-smoking’ and ‘no-ragging’ zone. The elections to students union are held as per Lyngdoh Commission recommendations.

For the benefit of the differently-abled students the college has Tac-tile and ramps at places where those are required, special reading room in the library with JAWS and Braille Printer and a Braille collection. There is a ‘buddy-system’ where differently-abled students are helped by their classmates in reading, writing and other activities.

Fee concession ranging from 50% to full waiver is offered to students of weaker sections of the society without any cap on the numbers of such relaxation. All policies of reservation in admission are followed in the letter and spirit of the Constitution of India.

Criterion VI- Governance, Leadership and Management

The College is a directly administered institution of the University of Delhi. Its governance is defined by the statutes, rules and ordinances of the University. The Principal is the administrative head of the institution and the Member-Secretary of the Governing Body (GB). It is the GB which is the source of all administrative authority. The Principal implements the decisions taken by the GB for the running of the College. The Principal too reports to the GB the details of the running of the College.

On the other hand the Principal is the Principal-in-Council of the Staff Council, which is a statutory body to debate, discuss, and recommend on non-financial matters of the College as per University Calander. It includes all the faculty members and the Principal as its chairperson. This statutory body is there, for making participative management a reality in the institution. The Staff Council elects from amongst its members to form the Committees such as the -Time Table Committee, the Admissions Committee, the Sports Committee, the Art and Culture Committee, the Anti-Ragging Committee and the Discipline Committee, the Library Committee etc., for very specific functions. Their consultative process is the hall-mark of non-hierarchical and participatory functioning/management. All the Committees of the Staff Council are supposed to formally report to the Staff Council.

The Principal looks into the daily management and organization of the institution. All financial and administrative functions rest in the office of the Principal. From grants from UGC to Examination schedules from the University, from preparation of minutes of the GB to investing PF money in banks all communication and relation are maintained by this office only. Admission, according to the stipulations of the University, where provisions for weaker sections of society are duly provided, are overseen by this office with a special attention.

The principal also looks into the academic needs and infra necessities of the institution. The computer centre, laboratories and the sports facilities, after due deliberations with different stake-holders are put in place. Faculty members are encouraged to develop their skills and pursue research of their own interest. Leadership qualities in both academic and non-academic sphere are encouraged both for the staff members & the students.

Criterion VII- Innovation and Best Practices

The College has been trying through the maze of bureaucracy to switch to renewable energy sources as much as feasible. The use of Solar Power, the use of LED lighting, having CNG *in-lieu* of LPG for laboratories and such other innovations have been at an advanced stage of realization in the college. The setting up the facility to harvest rain water is also underway. Despite a harm caused to the

green environment due to the construction work being carried out during the infrastructural development of Common Wealth Games and the Delhi Metro project, the college has undertaken planting of select varieties of saplings to regain the lost greenery. Students and faculty members, from time to time, are engaged in cleaning of the campus and the surrounding areas.

But the initiation of on-line fee payments by students during admissions the college has been able to save time of all inclusive, giving a big relief to the parents. Similar automation has also happened in to improvise the working of the office of the college. The College website has made it possible for student and parents to get updated information regarding both curricular and extra-curricular activities in the college.

Students and their betterment has remained in the primacy of all considerations in the college. Seminars, lectures, field-trips and educational excursions are organized for them routinely. Though not a regular feature, some teachers do screen films for the benefit of the students, the facilities for which is available in the college. Counselling services has been started in the college regularly so that student can be helped to come out of depression as well as face the challenges of education and society.

The college also, *on non-working days*, hosts the activities of the School of Open Learning (University of Delhi), and IGNOU. The College is also the University Evaluation Centre for a few disciplines. An attempt is thus made by the college to make an optimum utilization of its infrastructural resources.

Profile of the College

1. Name and Address of the College

Name :	Dyal Singh College (University of Delhi)		
Address :	Lodhi Road, New Delhi		
City :	Pin : 110003	State : Delhi	
Website :	http://dsc.du.ac.in		

2. For Communication

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. I.S. Bakshi	O: 011-24365948	9899173647	011-24365606	principal@dsc.du.ac.in
Vice Principal	Dr. Alka Gupta	O: 011-24367819	9968026273	011-24365606	alkagupta@dsc.du.ac.in
Steering Committee Co-ordinator	Dr. D. Manjit	O: Nil	9868471143		manjitneversaidso@gmail.com

3. Status of the Institution

Affiliated College	<input type="checkbox"/>
Constituent College	<input checked="" type="checkbox"/>
Any other (specify)	<input type="checkbox"/>

4. Type of Institution

a. By Gender

i. For Men	<input type="checkbox"/>
ii. For Women	<input type="checkbox"/>
iii. Co-education	<input checked="" type="checkbox"/>

b. By Shift

i. Regular	<input type="checkbox"/>
ii. Day	<input checked="" type="checkbox"/>
iii. Evening	<input type="checkbox"/>

5. Is it recognized as a minority institution?

Yes	<input type="checkbox"/>
No	<input checked="" type="checkbox"/>

If yes specify the minority status (Religious/linguistic/any other) and provide documentary evidence - **NA**

6. Sources of funding:

Government	<input checked="" type="checkbox"/>
Grant-in aid	<input type="checkbox"/>
Self-financing	<input type="checkbox"/>
Any other	<input type="checkbox"/>

7. a. Date of establishment of the college: Initially the college was established in Lahore (now in Pakistan) in 1910. After the partition, the college was established in Karnal (Haryana, 1949) and in Delhi (in 1952). It started acting at its present location in Delhi in 1959.

b. University to which the college is affiliated /or which governs the college (If it is a constituent college) University of Delhi maintained college since 1978

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks(If any)
i. 2 (f)	1959	Taken over by the University of Delhi in 1978.
ii. 12 (B)	1959	

(Find enclosed the Certificate of Recognition u/s 2 (f) and 12 (B) of the UGC Act): **Enclosure** – Appendix-II & III pages- ii & iii

d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.): N.A.

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes No

If yes, has the College applied for availing the autonomous status?

Yes No

9. Is the college recognized -

a. by UGC as a College with Potential for Excellence (CPE)?

Yes No

b. for its performance by any other governmental agency?

Yes No

10. Location of the campus and area in sq. meters:

Location *	Urban
Campus area in sq. mts.	47977
Built up area in sq. mts.	19563

(* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

• Auditorium/seminar complex with infrastructural facilities	<input checked="" type="checkbox"/>	
• Sports facilities	<input checked="" type="checkbox"/>	
• Play ground	<input checked="" type="checkbox"/>	
• Swimming pool	<input checked="" type="checkbox"/>	
• Gymnasium	<input checked="" type="checkbox"/>	
• Hostel		Not Available
• Boys' hostel		Not Available
• Girl's hostel		Not Available
• Working women's hostel		Not Available
• Residential facilities for teaching and non-teaching staff (give numbers available cadre wise)		Not Available
• Cafeteria		Available
• Health centre		Yes, first aid, inpatient, care facility.
• Health centre staff		Yes, one dedicated trained nursing staff
• Qualified doctor	• Full time <input type="checkbox"/>	Part Time <input type="checkbox"/>
• Qualified Nurse	• Full Time <input checked="" type="checkbox"/>	Part Time <input type="checkbox"/>
• Facilities like banking, post office, book shops		Not Available
• Transport facilities to cater to the needs of students and staff		Not Available
• Animal house		Not Available
• Biological waste disposal		Not Available
• Generator or other facility for management/regulation of electricity and voltage		YES , a bio waste management arrangement manoeuvred pits in a corner of the college. Also, for waste paper management, a tie up with Hindustan Times to recycle it
• Solid waste management facility:		YES
• Waste water management		Not Available
• Water harvesting		Not Available

12. Details of programmes offered by the college (data for current academic year: 2015-16)

Programme Level	Name of the Programme/Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student strength	No. of students admitted
Under Graduate	B.A. Program	3 yrs.	XII	English	185	234
	B.A. (H) Hindi	3 yrs.	XII	Hindi	62	79
	B.A. (H) Economics	3 yrs.	XII	English	62	197
	B.A. (H) History	3 yrs.	XII	English	62	215
	B.A. (H) Political Science	3 yrs.	XII	English	62	63
	B.A. (H) Geography	3 yrs.	XII	English	46	158
	B.A. (H) English	3 yrs.	XII	English	62	65
	B.Com. Program	3 yrs.	XII	English	185	202
	B.Com. (H)	3 yrs.	XII	English	185	236
	B.Sc. (H) Maths	3 yrs.	XII	English	93	159
	B.Sc. (H) Botany	3 yrs.	XII	English	31	66
	B.Sc. (H) Chemistry	3 yrs.	XII	English	31	33
	B.Sc. (H) Physics	3 yrs.	XII	English	62	82
	B.Sc. (H) Zoology	3 yrs.	XII	English	31	36
	B.Sc. Physical Science	3 yrs.	XII	English	123	124
	B.Sc. Phy. Sci. (Comp. Sc.)	3 yrs.	XII	English	62	63
	B.Sc. Life Science	3 yrs.	XII	English	62	66

Post-Graduate	M.A. English	2 yrs.	B.A.	English	14	9
	M.Sc. Maths	2 yrs.	B.Sc.	English	14	5
Integrated Program	Nil					
Ph.D.	Nil					
M.Phil.	Nil					
Ph.D.	Formally, the college does not register the students for Ph.D., but some of our teachers who guide Ph.D. scholars registered from University of Delhi, or other universities.					
Certificate Courses	Nil					
UG	Nil					
PG	Nil					
Any Other (specify and provide details)	Nil					

13. Does the college offer self-financed Programmes?

Yes No

14. New programmes introduced in the college during the last five years if any?

Yes No Number

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes Like English, regional languages etc.)

Faculty	Departments (e.g., Physics, Botany, History etc.)	UG	PG	Research
Science	Botany, Chemistry, Computer Science, Physics, Zoology	✓	No	No
Arts	English, Economics, History, Political Science, Philosophy, Bengali, Urdu, Sanskrit, Punjabi, Geography	✓	English ✓	No
Commerce	Commerce	✓	No	No
Mathematical Science	Mathematics	✓	✓	No

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, and M.Com...)

a. annual system	Nil
b. semester system	17+2
c. trimester system	Nil

17. Number of Programmes with

a. Choice Based Credit System	17
b. Inter/Multidisciplinary Approach	17
c. Any other (<i>specify and provide details</i>)	Nil

18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes No

b) Is the institution opting for assessment and accreditation of Teachers Education Programme separately? NA

19. Does the college offer UG or PG programme in Physical Education?

Yes No

Is the institution opting for assessment and accreditation of Physical Education Programme separately?

Yes No

20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-teaching		Technical staff	
	*M	*F	Asso. Prof.		Assist. Prof.		*M	*F	*M	*F
Sanctioned by the UGC / University / State Government <i>Recruited</i>	-	-	-	-	84	81	30	03	45	03
<i>Yet to recruit</i>	-	-	-	-	95		19		29	
Sanctioned by the Management/ society or other authorized bodies <i>Recruited</i>	-	-	-	-	-	-	-	-	-	-
<i>Yet to recruit</i>	-	-	-	-	-	-	-	-	-	-

*M-Male *F-Female

21. Qualifications of the teaching staff:

Highest Qualif.	Professor		Associate Prof.		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D.Sc./D.Litt.	-	-	01	-	-	-	01
Ph.D.	-	-	19	31	42	25	117
M.Phil.	-	-	01	10	17	12	40
PG	-	-	02	03	03	00	08
Temporary / Ad-hoc Teachers							
Ph.D.	-	-	-	-	16	15	31
M.Phil.	-	-	-	-	02	09	11
PG	-	-	-	-	15	14	29
Part time teachers / Guest							
Ph.D.	-	-	-	-	14	14	28
M.Phil.	-	-	-	-	07	05	12
PG	-	-	-	-	03	02	05

22. Number of Visiting Faculty /Guest Faculty engaged with the College. >45

23. Furnish the number of the students admitted to the college during the last four academic years.

Year	SC		ST		OBC		GEN	
	Male	Female	Male	Female	Male	Female	Male	Female
2013-14	228	85	80	20	306	100	391	426
2014-15	204	95	79	26	434	220	654	845
2015-16	71	36	265	165	170	110	434	751

24. Details on students enrolment in the college during the current academic year (2015-16):

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	1380	19	NA	NA	1399
Students from other states of India	788	--	NA	NA	788
NRI students	--	--	NA	NA	Nil
Foreign students	11	--	NA	NA	11
Total	2179	19	NA	NA	2198

25. Dropout rate in UG and PG (average of the last two batches)

UG PG

26. Unit Cost of Education (*Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled*)

(a) Including the salary component
 b) Excluding the salary component

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes No

If yes,

a) Is it a registered centre for offering distance education programmes of another University?

Yes No

b) Name of the University which has granted such registration.

1. School of Open Learning (SOL), University of Delhi 2. Study Center IGNOU, Delhi (Center No. 07175)
--

c) Number of programmes offered

d) Programmes carry the recognition of the Distance Education Council.

Yes No

28. Provide Teacher-student ratio for each of the programme/course offered

Sl.	Name of the Programme/Course	Teacher-student Ratio
1	B.A. Program	1:60
2	B.A. (H) Hindi	1:40
3	B.A. (H) Economics	1:40
4	B.A. (H) History	1:40
5	B.A. (H) Political Science	1:40
6	B.A. (H) Geography	1:40
7	B.A. (H) English	1:40
8	B.Com. Program	1:60
9	B.Com. (H)	1:40
10	B.Sc. (H) Maths	1:40
11	B.Sc. (H) Botany	1:40
12	B.Sc. (H) Chemistry	1:40
13	B.Sc. (H) Physics	1:40
14	B.Sc. (H) Zoology	1:40
15	B.Sc. Physical Science	1:60
16	B.Sc. Phy. Sci. (Comp. Sc.)	1:60
17	B.Sc. Life Science	1:60
* Based & followed on sanctioned strenght of the course. Representing ratio for theory classes only. Further details see table – i page no. 243.		

29. Is the college applying for?

Accreditation: Cycle 1 Cycle 2 Cycle 3 Cycle 4

Re-Assessment:

(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re- accreditation)

30. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only) : NA

31. Number of working days during the last academic year: 180

32. Number of teaching days during the last academic year 178

(Teaching days means days on which lectures were engaged excluding the examination days)

33. Date of establishment of Internal Quality Assurance Cell (IQAC)

Yet to be established. The college is committed to formally introduce the same.

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC. : NA

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information) : Nil

Dyal Singh College (University of Delhi), Lodhi Road, New Delhi – 110 003
Self-Study Report

CRITERION - I

CURRICULAR ASPECTS

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CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

Vision

Dyal Singh College strives to impart quality education, in an innovative and stimulating environment to all its students, which is not only inspirational to young minds but also inculcates ethics, humanity, professionalism and scientific temper in them. Through an invigorating academic and vibrant cultural environment, the college aspires to make the students truly world-citizen who are then well-aware and articulate to represent the aspirations and address the needs and problems of the country, society and the individual.

Mission

The mission statements of the College are

- To provide a holistic educational system that integrates academic pursuit, cultural expression and sporting excellence) with the help of sensitive and trained manpower and latest technology. To generate platform for a supportive environment that encourages and nurtures hard work and incubate innovations.
- To empower and inspire students coming from disadvantaged sections of society.
- To equip and motivate students to achieve global competence for 21st century challenges.
- To nurture social adaptability and harmony among the students.

Objectives

- The objective of the College is to fully realise the vision and the mission through the constructive involvement and development of its Teaching-faculty, non-teaching staff and students.
- The core objective is to promote a learning environment that creates world-citizens ready to face all the challenges ahead.

The vision, mission and objectives of the College are communicated to all the stakeholders through various activities/instruments that are: Prospectus at the time of Admission, Orientation Program at the beginning of the academic session; Class-room reinforcement; Arts and Cultural Programs; College-magazine; Website; Visits by distinguished persons; Intra and Inter-college programs; Sporting events, etc.

1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

The College develops action plans for effective implementation of the curriculum in the new academic session beginning mid-July of every year with the active participation of teaching-faculty and non-teaching staff. Before the start of every semester the teacher-in-charges hold departmental meetings with the faculty members and other staff to identify the requirements of their respective departments and chalk out academic and extra-curricular calendar for the coming academic session.

1.1.3. What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

The University of Delhi through its various Departments co-ordinates and conducts various meetings/workshops for designing and implementing the curriculum. The coordinating department conducts the process chaired by the Head/senior-faculty member and participation by teachers of all its affiliated/constituent colleges. The College also sends its teachers to participate in the various meetings/workshops/seminars organized by the University from time-to-time to update knowledge on curriculum and to improve teaching practices. The faculty in the meetings/workshops deliberate over the issues/problems related to effective implementation of curriculum and gives their suggestions for improvements.

The College extends support to teachers through a well maintained infrastructure system that includes a well-stocked library, internet facility (Wi-Fi) throughout the campus area, computer labs for science, commerce and humanities departments, auditorium for academic and cultural programs, seminar hall to conduct various meetings and departmental programs, science-departments laboratories for conducting scientific experiments, LCD projectors in class-rooms, white/display boards, etc.

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

The College makes use of a number of traditional and modern teaching techniques such as the lectures, power-point presentations, group-discussions, debates, seminars, etc. that are in vogue for effective curriculum delivery. In addition, the College has taken the following initiatives for effective curriculum delivery:-

- Provides a well-stocked library with over 96,000 text-books and reference books, 53 journals/magazines, 3,800 e-journals and 80,000 e-books through NLIST program of MHRD/UGC etc.
- Provides Wi-Fi internet facility throughout the campus area.
- Provides latest teaching aids such as LCD projectors, portable speakers, laptops, JAWS software for visually impaired students, LINUX OS, etc.
- Provides access to special software such as Q-basic, Chemdraw, Mathematica, etc. for students and faculty use.
- Organizes various programs such as educational tours, seminars/workshops/symposiums for faculty and student's development, to keep abreast of latest knowledge in respective disciplines.

- Promotes its faculty to participate in various programs organized by the parent University and other institutions.

1.1.5 How does the institution network and interacts with beneficiaries such as industry, research bodies and the university in effective operationalization of the curriculum?

The various science departments of the college have started participating in 'Science Setu Program' in collaboration with National Institute of Immunology (NII), Delhi from academic year 2015-16 whereby the faculty and students interact with scientists from NII and develop research plans.

The Placement cell of the College conducts regular campus interviews thereby maintaining professional relations with the various representatives of different sectors in industry.

Professional development workshops, seminars and educational tours are organized by various departmental societies to interact with industry and keep track of latest trends in the world.

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University?(number of staff members / departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.

Teachers of the college actively participate and contribute in the development of the curriculum. The University of Delhi through its various parent departments conducts meetings/workshops for curriculum development and invites one senior faculty member from various colleges in this process to put their valuable suggestions and opinion on the basis of the feedback obtained from the different stakeholders, especially from students and faculty members from different colleges. A number of senior teachers of the college are members of various Curriculum Development Committees (called the 'Committee of Courses' for respective disciplines) of the University. Some of the faculty members of the college have been elected representative members of Academic Council (AC), the highest academic body of the University, which is responsible for the maintenance of standards of instruction, education and examination within the University.

1.1.7. Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university)by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.

Not applicable.

1.1.8 How does institution analyse/ensure that the stated objectives of curriculum are achieved in the course of implementation?

The teachers-in-charge of different departments hold meetings from time to time to ensure that stated objectives of the curriculum are attained. Assignments, unit tests, and presentation etc. means of continuous evaluations are adopted in the class to assess and analyse the development of students vis-à-vis the academic rigor and curriculum delivery.

1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives give details of the certificate/diploma/skill development courses etc., offered by the institution.

The College offers skill based courses in collaboration with National Skill Development Corporation (NSDC) in the areas such as IT, Telecom, Media and Entertainment, Automotive and Banking, Financial services and Insurance (BFSI).

1.2.2 Does the institution offer programmes that facilitate twinning /dual degree? If 'yes', give details.

Not applicable.

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:

- **Range of Core/Elective options offered by University & those opted by the college**
- **Choice Based Credit System and range of subject options**
- **Courses offered in modular form**
- **Credit transfer and accumulation facility**
- **Lateral and vertical mobility within and across programmes and courses**
- **Enrichment courses**

The curriculum framed by the University offers a set of optional papers across disciplines, thereby providing scope for the students to choose areas of specialization in various Honours Courses.

An additional qualifying paper of Environmental Studies is offered to all Courses.

Students of B.A. (Hons.) courses have to study one Qualifying Language course and a compulsory Language/ Literature course. Apart from this, students have to study Inter- Disciplinary and Disciplined Centred Courses. In addition to this, the B.A. Programme students have to study Foundation & Application Courses (Mass Communication and Creative Writing) as per the curriculum framed by the University.

1.2.4 Does the institution offer self-financed programmes? If 'yes', list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

The College has started, from academic year 2015-16, to offer a self-financed 'faculty development programme' for the benefit of faculties from the commerce background. However, no such programs are being offered for the benefit of students.

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If 'yes' provide details of such programme and the beneficiaries.

Not applicable.

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice" If 'yes', how does the institution take advantage of such provision for the benefit of students?

Not applicable.

1.3 Curriculum Enrichment

1.3.1 Describe the efforts made by the institution to supplement the University's Curriculum to ensure that the academic programs and Institution's goals and objectives are integrated?

The college supplements curriculum framed by the University by involving its faculty and students in various co-curricular departmental activities such as Workshops/seminars, invited-talks/lectures and educational tours to supplement the curriculum and thereby integrate the academic programs and objectives of the college.

1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

The college encourages its faculty and students to actively participate in various extra-curricular activities such as tours, exhibitions, debates/plays, Arts and cultural events, sports programs, social awareness drives etc. to enrich the curriculum so that students can cope with the need of the dynamic employment market.

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

The College Dramatic Society actively organizes street plays targeting the cross-cutting issues like Gender Sensitization, Human rights, etc. The College Debating Society regularly debate on issues ranging from political to social scenarios. Eco Club organizes a number of activities to promote awareness among students about environmental issues.

1.3.4 What are the various value-added courses/enrichment programs offered to ensure holistic development of students?

- | | |
|------------------------------|-------------------------|
| § moral and ethical values | § better career options |
| § employable and life skills | § community orientation |

The placement cell and different departments invite distinguished/eminant experts to guide the students to pursue different career options. NCC and NSS programs involve students in various social awareness drives such as Blood-Donation Camps, Cleanliness drive's etc. The College also participates and showcases its activities and achievements in "Antardhawani"-Cultural Festival of the University of Delhi.

1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

Not applicable.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment programs?

The Principal very often holds meetings with all departments and program conveners to discuss the modalities for monitoring, evaluating and improvising the quality of its enrichment programs.

1.4 Feedback System

1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

Senior faculty members from different disciplines/departments are members of Committee of Courses (the Curriculum Development Committees) of the University. They are informed and invited by their parent departments at the time of revision of curriculum to put forward their views/suggestions.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programs?

No formal feedback-mechanism for the students exists in the college on issues related to curriculum. However, feedback is received from student through teacher-student interaction in the theory/tutorial/practical classes. The problems/suggestions are communicated to the Head of the parent department of the our University by the faculty members whenever such meetings are called by the University.

1.4.3 How many new programmes / courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/ programmes?) Any other relevant information regarding curricular aspects which the college would like to include.

Not applicable.

Dyal Singh College (University of Delhi), Lodhi Road, New Delhi – 110 003
Self-Study Report

CRITERION - II

TEACHING, LEARNING AND EVALUATION

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CRITERION II: TEACHING, LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does college ensure publicity and transparency in the admission process?

- Thorough publicity is ensured through detailed inputs given to media (print and web), Open House Sessions (coordinated by the University) prior to the commencement of admission and the annual College Prospectus made available in print as well as in electronic form on the College website.
- All the details regarding cut-offs and course specifications with available options are given in the prospectus. Detailed prospectus is published and all the information with regard to admissions is duly hosted at college website. Entire admission process and every bit of information is regularly updated on college website
- 100% transparency in the process is ensured through the Staff Council Committees and Coordinators responsible for Admissions drawn from various departments. The decision-making is minuted and confirmed in subsequent meetings and become part of the Admission Committee report approved in later Staff-Council meeting.
- College was the venue of the NBT (Nav Bharat Times) Planet Campus program for the last two years. The program is focussed on admission procedure, course selection and career prospects.

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programs of the Institution.

- **Postgraduate Courses**

Admission to MA English / MSc Mathematics course is Merit/entrance (50:50) Examination based, subject to the applicant securing admission in the concerned University Department.

- **Undergraduate Courses**

The admissions are purely Merit-based. For admission to any course in the College, the candidates are required to fill the University centralized application form. The cut-offs of various courses are decided by the admission committee three days prior to the release of first cut-off list. ECA (Extra Curricular Activities) & Sports committee formulate guidelines, organizes trials and monitors the admission process for candidates seeking admission under the Arts & Sports quota respectively. To maintain transparency and quality, experts from outside the college are invited to judge the trials and participate in the selection process. The entire trials and selection process is videographed for transparency and accountability. 3% relaxation in merit cut-off is given to girls in all courses to provide them greater access to higher education and to achieve women

empowerment. Reservation policy for SC/ST/OBC/PWD as mandated by Govt. Of India / University of Delhi are followed.

2.1.3 Give the minimum and maximum percentage of marks for admission for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

As per University of Delhi norms a number of cut-off lists for each of the courses is declared. All the students above the minimum cut-off marks in each of the list and satisfying other eligibility requirements are admitted by the college.

The minimum and maximum cut-off for admissions in Academic year 2015-16 was following.

Course	General		OBC		SC		ST		PwD	
	Max.	Min.	Max	Min.	Max.	Min.	Max.	Min	Max.	Min.
B.A. Programme	85	83	82	71	77	71	77	58	75	65
B.A. (H) Economics	95	95	85	85	80	65	80	54	70	60
B. A. (H) English	96	94	93	80	91	84	92	79	80	70
B.A. (H) History	80	80	75	75	70	70	68	68	55	55
B.A. (H) Hindi	75	73	70	67	69	66	65	54	55	50
B.A. (H) Pol. Sc.	90	89.5	87	80	85	82	85	73	80	70
B.A. (H) Geography	86	86	82	82	76	76	76	76	66	66
B.Com. Prog.	94	94	88	83	84	78	82	63	72	68
B.Com (H)	96	96	90	80	86	76	82	55	75	70
B.Sc. (H) Physics	94	93	90	89	88	78	82	62	70	55
B.Sc. (H) Chemistry	95	93.33	90	88	85	79	80	80	74	55
B.Sc. (H) Botany	88	86	86	81	84	75	84	68	70	55
B.Sc.(H) Zoology	88	88	85	83.33	84	80	81	71	75	55
B.Sc. (H) Maths	92	92	90	86	80	76	80	61	75	70
B.Sc.Physical Sc.	90	78	88	72.33	84	62	80	45	65	45
B.Sc. Life Science	86	84	83	75	80	72	80	61	65	45
B.Sc. Physical Sc. (Computer Sc.)	88	81	86	76	85	61	85	45	75	45

Note: 1). Max.= minimum marks for the first cut-off list & Min.= minimum marks for the last cut-off list. **2).** We do not have official data of the maximum and minimum cut-off marks for admissions in other colleges.

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?

- Yes. The admission process is reviewed in the college Staff Council meeting and the Admission Committee meetings. The Admission Committee report is also tabled within the first semester of the academic year and the details enable an informed discussion on the various aspects of the admission process, after which necessary amendments are made. To cite a particular example in this regard, the college was giving a 5% relaxation in "cut-off" to girl applicants in all the courses to maintain a healthy gender ratio. Over the years, this special provision has yielded success to such an extent that we have now reviewed it, and in the changed context of the college it was decided to reduce the relaxation in cut-off for girl students to 3%.
- Admission committee (constituted in Staff Council) has representatives from every department of the college.
- To resolve any of the grievance of students Admission Grievance Committee is also constituted in Staff Council. Information about this committee (members' names and their contact details) are displayed on the college notice board and website.
- Admissions Grievance committee, representatives of enabling committee and helpdesk (manned by student volunteers) are available for the whole duration of the admissions. Details about these are duly posted on College notice board and website.
- After the completion of admission process a comprehensive report by Admission Committee is tabled in Staff Council for discussion, to improve in the future.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion

- | | |
|--|---|
| <input type="checkbox"/> SC/ST | <input type="checkbox"/> Economically weaker sections |
| <input type="checkbox"/> OBC | <input type="checkbox"/> Minority community |
| <input type="checkbox"/> Women | <input type="checkbox"/> Any other |
| <input type="checkbox"/> Differently abled | |

- The College believes in diversity, practices inclusion, and strives to provide equal opportunities to all. The college strictly follows the reservation policies of the Government of India for admission of students from SC, ST, OBC, Differently-abled categories as well as admits students in the Armed Forces, War widows, Kashmiri immigrant and Foreign Students quotas.
- Special Help desks comprising faculty and student volunteers facilitate admission seekers in SC, ST, OBC and Differently-abled categories (Phone nos of teacher coordinators are prominently and widely notified on the college website and notice board). Internal forums like North East Students Forum also do volunteer work during admissions in close coordination with the teachers-in-charge.

- Enabling Unit of the college proactively help disabled candidates in the admission. To ensure accessibility, college makes special arrangement for the admissions of disabled students on the ground floor of the college building. Special orientation program is organized for the disabled students every year.
- Details of Fee Concession provisioned for economically weaker students in the College are provided right at the time of admission. The Fee Concession form is distributed forthwith to the eligible admitted student in order to encourage and motivate the student by providing material relief within a stipulated period.

2.1.6 Provide the details of various programmes offered by the institution during the last few years and comment on the trends. i.e., reasons for increase / decrease and actions initiated for improvement.

College offered a total of 17 courses during 2015-16 in the field of Science and Humanities for undergraduate admission under Choice Based Credit System (CBCS). Admission to colleges has been made through a centralized admission form process. There is no restriction in terms of the number of colleges and the number of courses a candidate can apply. Therefore, the desired competitive data may not be accurate. College decides their individual cut-off lists and students take admission in the course and college for which they are eligible.

Course	2013-14		2014-15		2015-16	
	No. of applications	Number admitted	Number of applications	Number admitted	Number of applications	Number admitted
B.A. (Prog.)	0	0	692	589	288	234
B.Com. (H)	405	303	373	266	371	236
B.Com. (Prog.)	0	0	227	180	301	202
B.Sc. Phy. Science	0	0	160	125	193	124
B.Sc. Life Science	0	0	266	229	111	66
B.Sc. Phy.Sc. (Comp.Sc.)	0	0	190	174	99	63
B.Sc. (H) Zoology	76	59	46	38	58	36
B.Sc. (H) Botany	139	96	65	51	97	66
B.Sc. (H) Chemistry	141	95	65	51	61	33
B.Sc. (H) Physics	114	92	106	85	130	82
B.Sc. (H) Maths	128	103	243	206	210	159
B.A. (H) Economics	151	104	345	272	349	197
B.A. (H) English	131	111	231	194	106	65
B.A. (H) Geography	132	123	148	121	179	158
B.A. (H) Hindi	132	118	99	89	92	79
B.A. (H) History	205	181	234	117	255	215
B.A. (H) Pol.Science	317	283	260	246	88	63

2.2 Catering to Student Diversity

2.2.1 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

Differently abled students

Differently abled students are very valuable and integral part of the inclusive atmosphere of our college and every possible effort is made to encourage their participation in all the activities of the college.

- College strictly follows Govt. of India / University of Delhi guidelines for reservation to admissions of PWD students and accordingly provide 3% reservation in each of the courses.
- College has an Enabling Unit that makes all possible efforts to ensure a atmosphere of equal opportunity for everyone.
- Enabling Unit members mentor disabled students to help them in all possible academic and non-academic needs.
- College has provided very good resource center with facilities like Braille Embosser, Book scanner, screen reading software, daisy recorder, very good collection of Braille books, etc.
- With the close collaboration of EOC (Equal Opportunity Cell) of the University, the college has provided laptops to all the visually challenged students with all relevant screen reading software pre-installed.
- College organizes activities on regular basis to empower disabled students. Couple of years back college (and Enabling Unit) with the help from Physical Education department organized cricket matches for blind students.
- NSS student volunteers are involved in providing assistance to differently-abled students.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

- Every year, before the start of the new academic session, an Orientation programme (college as well as department wise) is organized for the freshly admitted students of the college. In the orientation programme, students are informed about various rules and regulations, provided information about college faculty, extra-curricular activities, sports facilities, etc. Departmental orientation programme makes students aware about various features of the course.
- College formally collate data about the various courses students have done in school and accordingly optional papers (Generic Elective papers for CBCS students) are suggested. Based on the same data students are suggested to opt for Ability Enhancement papers (CBCS mode).

2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/ Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?

- Visually challenged students are provided with laptops with screen reading software (JAWS), books / notes in Braille format is provided within the college with the help of Equal Opportunity Cell (EOC) of the college.

- Students are encouraged to participate in various extra-curricular activities of the college. Students are also encouraged to participate and interact with external experts in conferences/ workshops/ seminars organized by departmental societies.

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

- As per the University of Delhi Ordinance, college has constituted Internal Complaint Committee (ICC) to comply with the Prevention of Sexual Harassment Act 2013. Information about ICC is duly advertised on the college website. They organize many events / activities (with the involvement of NSS) for the gender sensitization.
- College Staff council every year constitute “Women Advisory Committee” which has done very active work on gender sensitization and generating gender awareness among students and employees of the college.
- Women Development Cell (WDC) organizes various activities in college. Last year they organized a street play by theatre group “Asmita” on patriarchy followed by a workshop on self-defence for women.
- Enabling Unit of the college extends all possible help to differently-abled people in the college.
- College also has a “WUS and Gandhi Study Circle” that organizes many activities to spread awareness about inclusion.
- A North East Forum under the guidance of a teacher coordinator undertakes a lot of awareness and assistance programmes for the large student community from the North Eastern states of India.
- College has an “Environment and Garden Committee” and “Nature and Adventure club”.
- College is also making efforts to install solar panels that could help us in generating our own electricity using renewable energy sources.

2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?

Addressing special educational / learning needs of advanced learners

- Students are encouraged to attend various conferences, workshops within and outside the college.
- Many of the students are also involved in “innovative projects” of University of Delhi.
- The College is running a very cutting-edge program named “Science Setu” in cooperation with Indian Institute of Immunology. Many bright students of science participate in the program.
- Students are encouraged to participate in sports and extra-curricular activities. College regularly invites eminent personalities and sports persons to interact with students.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

Collection and analysis of data and information on the academic performance

- Faculty members monitor progress of the students on regular basis via class-tests, presentation, group discussions, etc. The data collected on these basis is analysed and accordingly corrective measures are done on continuous basis in lectures/ tutorials/ practical.
- All the departments in their regular meetings do collectively review the progress of the courses and the possible problems faced by the students.
- Before the start of the new semester / academic year, every department holds departmental meetings to discuss in detail student performance in the previous semester / year and based on that organize teaching in the next semester / year.
- Enabling Unit of the college focusses specially on the disabled students and monitor their progress and takes up the issues with relevant departments / administration.

2.3 Teaching – Learning Process

2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

Planning and organization of teaching – learning and evaluation schedules

- Dyal Singh College is a constituent college maintained and run by University of Delhi. It adheres to the Academic Calendar, Examination and evaluation schedule of the University.
- Academic Committee of the college (duly formed in Staff Council) that has all the Teachers-in-Charge (of all departments) as members ensures that proper planning of academic matters including teaching is done. This committee prepares the workload of individual teachers, departments and college.
- Time-table committee (duly constituted in Staff Council) in close coordination with Academic Committee formulate time-table of the college.
- All the departments holds respective departmental meetings to discuss in detail distribution of papers and arrangements of practicals. Based on the University prescribed syllabus departments also decide on the purchase of equipment / set-ups/ books that are needed in forthcoming semester.
- Library committee (committee duly constituted in Staff Council) ensures that books / periodicals needed are purchased / arranged.

- Both Academic Committee and Time-table committee ensure that organization of teaching and time-table is completed before the start of new semester / academic year to enable classroom teaching from the first day of the session as per the Academic Calendar notified by University of Delhi. The former looks into the syllabus and course requirements and finalise the semester-wise workload for the individual departments on the basis of which the latter prepares students' timetable and the individual teacher timetables.
- Each department and faculty has the freedom to set one's own teaching plan within a broadly shared set of principles that meet standards and schedule.
- External evaluations follows the University schedule while the internal evaluation is overseen by department-specific moderation committees comprising two senior teachers and the teacher-in-charge of that particular academic year.
- Internal Assessment evaluation / marks of the students are closely monitored at two stages, first by departmental moderation committee and later by the college central committee (duly constituted as per DU rules).
- Monthly attendance and Internal Assessment marks of all the students are duly uploaded on college website and all the objections of the students are addressed.

2.3.2 How does IQAC contribute to improve the teaching –learning process?

IQAC (Internal Quality Assurance Cell)

IQAC (Internal Quality Assurance Cell) is a recently suggested mechanism under the NAAC guidelines to monitor quality of teaching-learning process. The mandate and task of IQAC is same as the combined mandate and task of Academic and Time-table Committee. The college is going for NAAC accreditation for the first time. Right now college does not have IQAC but is committed to constitute the cell as per NAAC guidelines at the earliest. The tasks that we have identified for the IQAC are

- Developing and applying quality benchmarks / parameters for various academic and administrative activities
- Facilitating the creation of a learner-centric environment
- Institutionalizing feedback from the participants in this teaching-learning process

2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

Student centric learning

- Administration, teachers and technical / non-teaching staff of the college strive to achieve all-round development of students. Apart from conventional teaching methods (having formal lectures / tutorials) efforts are made to involve students in seminars, workshops, field visits and projects.

- The college campus is Wi-Fi enabled to make many of the online learning resources available to students.
- Many of the class rooms of the college are ICT enabled. Faculty members and students are encouraged to use these facilities.
- The college library provides various e-resources like OPAC, NLIST electronic resource management system. Library uses a very student friendly software LIBSYS for managing library resources.
- Laptops are provided to students (as per University guidelines) and faculties.
- The college has a fully functional computer center for the usage of students.
- Special facilities in library are arranged for visually handicapped students. College library has a dedicated section with computer and screen reading software. College also has a Braille printer and a very good collection of Braille books.
- The college has one fully functional (with ICT facility) seminar hall, an auditorium and an open air amphitheatre where various discussions/ activities by / for students are organized.
- College students have participated in all the Gyanodaya Express train trips (organized by University of Delhi) and have made field visits to different parts of the country to work on projects.
- College promotes interdisciplinary approach and is currently running many Innovation projects (funded by University of Delhi) whereby students from different departments are involved in a single project.
- College organizes many seminars, conferences, workshops and interactive sessions from eminent experts.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

Nurturing critical thinking, creativity and scientific temper

- Every department has their own academic society that organizes various academic activities like inviting external experts for interactive seminars / workshops / discussion sessions. These departmental societies are mostly managed by students themselves. Many inter-college activities are also organized by the same societies. Last year, our students won more than 175 awards in various events within and outside the university.
- Arts and Culture committee of the college organizes various events including photography, dance, debate, creative writing and dramatics.
- Arts and Craft society of the college “Jamini” last year won 45 prizes.
- The Films and Photography society of the college (named “XPOSURE”) organized “UNISON-2014” in college that had participation from the embassies of Spain, Portugal, Pakistan, Yemen, Kazakhstan, Mongolia, Slovenia, Togo, Vietnam & Afghanistan.

- Students are encouraged to contribute articles to the annual college magazine “THE NEW STAR”. The magazine is multilingual.
- Some of the departments (Geography, Botany and History) takes the students to educational field trips.
- Adventure and Nature club of the college every year organizes rappelling and trekking programs. Last year they organized one such program at Kayan Kund, Kala Top and Khajjiar.
- Many students are involved the “innovation projects” started by Dlihi University.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg. Virtual laboratories, e-learning e- resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

Technology and facilities available

- College campus has wired and Wi-Fi connectivity.
- Many class rooms and labs have electronic projection system.
- Laptops are made available to students (as per University guidelines) and faculties.
- Many e-resources are available in college library.
- Exclusive facility in library is made available to visually challenged students. This facility has computers with relevant screen reading software (like JAWS) and a Braille Printer.
- College has a functional Computer Resource Centre (CRC) with 80 computers available to students and faculties.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

Advanced learning for students and faculty

- Faculties are encouraged to organize and attend conferences / workshops / seminars.
- College also facilitates faculties to attend Orientation and refresher courses of academic institutions across India.
- College encourages faculty members for research. Many of the faculty members have actively participated (and completed) research projects funded by external agencies like UGC, DST, CSIR, etc. Refer to Section III (Research, Consultancy and Extension) for details.
- Some of the students are also involved in “Innovation projects” granted by University of Delhi.
- Every department of the college has its own academic society that organizes

various academic programmes. They organize seminars/ conferences / workshops. Most of these activities are organized by students with the help of faculty members.

- College students have regularly participated in “Gyanodaya Express” train journey (organized by University of Delhi) and have done field projects during the journey.

2.3.7 Detail (process and the number of students benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advise) provided to students?

Academic, personal and psycho-social support to students

- Teachers on regular basis guide / counsel students on various academic issues like the optional papers they can opt for (in CBCS mode students have to opt for Generic Elective papers) especially considering the future career possibilities.
- College organizes interaction sessions for career counselling.
- College has a special nodal officer for providing all kind of counselling and support to the students from North-East.
- Equal Opportunity Cell (EOC) cell of the college help and empower PWD (Persons with Disability) students to ensure their participation in all academic, social and cultural life of the institution.
- College also has a Student Advisory Committee (duly formed in Staff Council of the college) that act as a bridge between college administration and students (and their elected representatives).
- College NSS also organizes many activities to support students.
- College organizes weekly counselling services by psychologists from Manas Foundation to deal with stress and examination anxiety, family relationship issues, future orientation and career direction, personality development, etc.

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

Innovative teaching approaches / methods

- College continue to follow the conventional teaching methodology of having regular lectures and try to supplement it with intense tutorial sessions with students in smaller groups.
- Many of the classrooms and labs of the college are equipped with overhead projectors, faculties are encouraged to use these facilities.
- Many departments (Geography, Botany, History, etc.) organize educational field trips for their students.

2.3.9 How are library resources used to augment the teaching- learning process?

Library resources

- College Library has about 96,000 text-books, reference books, 53 journals / magazines, 3800 e-journals and about 80,000 e-books available via NLIST program of UGC-INFLIBNET / MHRD.
- Online Public Access Catalogue (OPAC) is provided for easy access of books to students.
- Management of books is computerized via the software LSEase by LIBSYS Corp.
- Library has an exclusive facility for visually challenged students. Two computers with screen reading software (JAWS), scanner, printer and a braille printer is housed in the facility. There are many braille books available in library.
- Library committee has members from every department of the college and ensures that the library is stocked with the books, magazines, journals that are needed.
- College library has a footfall of about 600 per day.
- On average about 500 books are issued / returned per day.

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

Challenges in completing curriculum within academic calendar

With the adoption of semester system the timely completion of the curriculum is indeed a serious challenge for the system. Recently introduced CBCS system makes things even more challenging especially with optional papers (Generic Elective papers) as it takes some time for stabilization of the final choices of the Generic Elective papers of the students. Our college uses same infrastructure (class rooms) for both morning and evening college which makes the situation even more difficult as it makes it stretch the college timings. Despite the constraints, college takes many steps to ensure that the curriculum is completed as per the notified academic calendar

- The academic planning (including time-table preparation, dividing students in tutorial groups, etc.) is done within vacations to ensure that the college is ready to start the classes from the first day of the academic semester itself. Time-tables are prepared, given to teachers and students, displayed on college website before the start of the new semester.
- Departments holds the respective departmental meetings before start of the new semester (during the vacations) to chalk out the methodology and teaching schedule.
- Laboratories (for practical) are prepared, set-ups arranged, tested before the start of the semester.
- Extra-curricular activities of the college are carefully chalked out to ensure the minimum disturbance to the regular teaching work.

- Many departments hold mid-semester review of the academic progress of their respective department. Many teachers hold extra classes during the mid-semester break to ensure completion of courses.
- Classes are held in the college for six days in a week.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

Monitoring and evaluation of the quality of teaching learning

- College does not have a formal mechanism to seek feedback from the students. However individual teachers device their own mechanism to get a feedback and based on that do the necessary changes in teaching-learning process.
- Regular departmental meetings are held (by every department) to discuss and review the progression of courses.
- Academic Committee of the college co-ordinates with the departments to ensure that standards of teaching-learning (especially for interdisciplinary courses) are maintained.
- Monthly attendance and details of Internal Assessment marks of the students are displayed on the notice board and the college website.
- College is committed to constitute Internal Quality Assurance Cell (IQAC) for formally monitoring the quality of teaching learning process.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum

Strategies adopted to in planning and management of human resource.

Dyal Singh College is a University of Delhi maintained institution follows University rules for recruitment of employees (teaching and non-teaching).

The process of identifying vacant posts is initiated by Academic Committee of the college. It calculates workload for each semester and for each department as per University/UGC norms. The workload is then approved by the college Governing Body after which Liaison Officer of the college identifies roster posts as per the University norms. The roster is then sent to University Liaison Officer for approval. After the identification of the posts is completed the possible advertisement for the teaching positions is approved by the Governing Body and then by the University for advertisement.

- Vacancies are advertised in leading national newspapers, college and University website.

- Screening list of the candidates with details of their API (Academic Performance Indicators) are displayed on college website.
- All the details regarding number and name of candidates, date of selection committee meeting etc. are displayed on college website.
- Selection committees (formed as per University of Delhi guidelines) are scheduled to finalize the selections.
- Ad-hoc and guest teachers appointments are done (by selection committee formed on the basis of DU guidelines) based on the workload.

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D.Sc./D.Litt.	-	-	1	-			1
Ph.D.	-	-	19	31	42	25	117
M.Phil.	-	-	1	10	17	12	40
PG	-	-	2	3	3	0	8
Temporary / Ad-hoc Teachers							
Ph.D.	-	-	-	-	16	15	31
M.Phil.	-	-	-	-	2	9	11
PG	-	-	-	-	15	14	29
Part time teachers / Guest							
Ph.D.	-	-	-	-	14	14	28
M.Phil.	-	-	-	-	7	5	12
PG	-	-	-	-	3	2	5

2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

New programmes and coping with them

- College has not started any new course in recent past but have followed the changes in course / curriculum approved by University of Delhi.
- Faculty members are encouraged to attend refresher and orientation courses conducted by Academic Staff College of UGC to update themselves about emerging areas.
- Support and encouragement is provided to faculty members to attend/participate in training programs, various conferences/ workshops especially with regard to new curriculum, structures and systems of teaching-learning.

2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

a) Nomination to staff development programmes

Staff development programmes (last 4 years)

Academic Staff Development Programmes	Number of faculty nominated
Refresher Courses	168
HRD programmes	N.A.
Orientation programmes	113
Staff training conducted by the university	17
Staff training conducted by other institutions	N.A.
Summer / winter schools, workshops, etc.	12

b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning

- ▼ Teaching learning methods/approaches
- ▼ Handling new curriculum
- ▼ Content/knowledge management
- ▼ Selection, development and use of enrichment materials
- ▼ Assessment
- ▼ Cross cutting issues
- ▼ Audio Visual Aids/multimedia
- ▼ OER's
- ▼ Teaching learning material development, selection and use

- Some of the faculty members were involved in development of courses and curriculums in FYUP (now withdrawn) and CBCS.
- Some faculty members were involved in development of e-content for CBSE and AISSE boards on the “Sakhshat” e-portal of HRD ministry, National Mission on Education-Information Communication (NME-ICT) under MHRD project.
- Many faculty members were involved in the organization of professional development courses conducted by Academic Staff College.
- Some faculties were involved in an “Innovation project” granted by University of Delhi to develop a e-museum for Zoology department.
- Botany department organized a workshop on “Reproductive Biology of Angiosperms” for DU colleges.

c) Percentage of faculty

- invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies : more than 10% (details given in departmental profiles)
- participated in external Workshops / Seminars /

Conferences recognized by national/ international professional bodies : more than 25% of faculty members have participated at various events (details given in departmental profiles).

- **presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies :** more than 25% (details given in departmental profiles).

2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.).

Policies / system in place to recharge teachers

- Granting study leave to the faculty to pursue PhD degree. College also grants academic leave to enable faculties to pursue research work even after PhD degree as per DU / UGC policies.
- Encouraging faculties to attend various faculty development programs organized by Academic Staff Colleges of UGC.
- College encourages faculties to apply for research projects/ grants from various external agencies like UGC, CSIR, DST, etc. College provide relevant infrastructure and other logistic support so that the research projects can be carried out within campus. Accordingly there are many externally funded research projects that are currently going on in college.
- Organize national level conferences and seminars on various issues.
- Inviting external experts for lectures / interaction sessions.

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

Faculty receiving awards / recognition at state, national and international level
Details are given in the reports of individual departments.

- Innovation projects were recognised/awarded in various categories by University of Delhi.
- Three faculty members, involved in a common Innovation Project (DS-204), have been awarded “Teacher excellence award for Innovation” by University of Delhi.

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

No formal mechanism for evaluation of teachers by students exists in college but teachers are evaluated by a duly formed committee as and when they apply for promotions.

2.5 Evaluation Process and Reforms

2.5.1 How does institution ensure that stakeholders of institution especially students and faculty are aware of the evaluation process.

The college is the constituent college of University of Delhi hence follows all the rules of the University.

- The evaluation rules (and any modifications/ amendments) are given in college prospectus, notified at college website. All the modifications / amendments to the rules are promptly displayed at college notice board and website.
- Detailed internal assessment procedure is available at DU and college website.
- New students are informed about the evaluation process during the orientation programs at college and respective departments.
- Internal assessment marks before being communicated to University are displayed at college website and objections / grievances (if any) from the students are resolved by the moderation committee duly constituted as per University rules.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

Major evaluation reforms of university that institutions have adopted

- As per University of Delhi norms 25% of the total marks of theory papers are reserved for Internal Assessment.
- Appointment of external examiners for practical examination (for semester and FYUP mode students) is done in a completely transparent manner.
- In FYUP (a course that now stands withdrawn) 50% marks for practical were reserved for Internal Assessment.
- In CBCS mode (implemented from academic year 2015-16) practical exam evaluation are completely based on Continuous Evaluation mode.

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

Ensuring effective implementation of the evaluation reforms of the university / institution.

- Theory papers evaluation is done at centralized evaluation centres. College is one of the centralized evaluation centre where currently we are involved in centralized evaluation of History, Geography and Chemistry papers.
- EVS (Environmental Studies) paper (in CBCS mode) evaluation is done by University in decentralized manner. Teachers involved in teaching of the course in college are involved in evaluation of the papers.
- Departments holds meeting to formulate methodology for the conduct and

evaluation of practical exams especially for the internal assessment part. The decisions are duly informed to students.

- Internal assessment preparation is done in a systematic and transparent manner. Departmental moderation committees send internal assessment of the departments to central moderation committee for finalization. Internal assessment marks are displayed on college website to invite any grievance from students before sending them to University.

2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.

Formative and summative assessment is based on the integrated key aspects *viz.*, regularity, attentiveness and sincere working. Learners are encouraged to develop their all round skills by various methods like-Projects, Group discussions, Report writings, Talks, Presentations, Class tests, Debate etc. All these activities facilitate all round development as well as identification of weak aspects of the students' personality. Although the final examination conducted by University contribute towards summative evaluation of the students.

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.

Students are introduced about the internal assessment evaluation criteria in the beginning of the academic session during orientation program as well as detailed in the Admission Prospectus. The summary of the key aspects of internal assessment is explained in details-

- Internal assessment does not have weightage for behavioral aspects as per University guidelines.
- Attendance is uploaded on the College website.
- Internal assessment marks are uploaded on the College website.
- The students can rectify discrepancy (if any).

2.5.6 What are the graduate attributes specified by the college/ affiliating university? How does the college ensure the attainment of these by the students?

Continuous internal assessments and the final exam are integral in the evaluation of students' performance. Participation of students in co-curricular and social activities plays an active role in the betterment of students' performance.

2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

Grievance redressal with reference to evaluation.

- At University level if a student is not satisfied with his evaluation, he/she can apply for re-evaluation, re-checking of the answer scripts. As per the University

policies a student can also get copy of his/her checked answer script after payment of the requisite fee.

- At college level, faculties ensures that the answer scripts of class tests / assignments are shown to the students for correctional learning and possible grievance.
- Monthly attendance of the students is displayed at the college website and any problems therein can be addressed by college administration.
- Internal assessment (that amounts to 25% of the total marks) marks are displayed on college website to invite any objections / grievances.
- Internal Assessment is routed through departmental moderation committee (that has current Teacher-in-Charge, past Teacher-in-Charge and senior-most teacher as member). As per University norms, there is also a central moderation committee (headed by the Principal) that ensures that all the grievances of the students are addressed before sending Internal Assessment records to the University.

2.6 Student Performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes? If ‘yes’ give details on how the students and staff are made aware of these?

The college motto itself, “Gather Ye The Wisdom of East and West”, guides the institutional engagement in this regard. The objective is to have inclusive development of the students.

- Detailed syllabus, rules, processes to be followed, etc. are given in detail in the college prospectus, and students are made aware of them on the very first day of their joining the college in the specially conducted orientation program.
- All the information, notices, curriculum / syllabus details are regularly posted on the college website.
- The objective of the institution is to ensure all round development of the student. Hence special emphasis is given to various extra-curricular and sports activities. College has a very vibrant Drama club (named “Astitva”), Fashion society (“Glamorratti”), Art and craft society (“Jamini”), Films and photography society (“XPOSURE”). Arts and Culture society every year organizes annual college cultural festival called “Priyadarshini”.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

Monitoring and communication of the progress and performance of students

Monitoring of the progress and performance of the students is done in a decentralized manner. Academic Committee (duly formed in Staff Council)

monitors the overall academic atmosphere of the college. In departmental meetings detailed discussion with regard to student performance is held and, if needed, suitable amendments / modifications are done. Students are duly updated about their assignments and class tests. Answer scripts (of class tests) and assignments are discussed with the students and necessary suggestions for improvements are given.

2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

Following methods are adopted for improvement in teaching-learning process:

- Strict compliance with the Academic Calendar notified by University of Delhi.
- Academic workload of the college is prepared (by Academic Committee) before the start of semester to ensure that manpower needed are appointed on time.
- Time-tables are prepared and displayed on notice boards and college website before the start of the semester.
- Departments hold their respective departmental meetings to work out in detail the teaching methodology.
- Students are encouraged to participate in extra-curricular activities, sports, NSS, NCC, etc.
- Educational field trips are organized by some of the departments.

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

Initiatives taken up to enhance social and economic relevance

- College has an active placement cell. Last year more than 250 students got placements in various companies with highest pay of Rs. 10 lakh (p.a.) and average pay of Rs. 2.8 lakh (p.a.). Placement cell also organizes CII (Confederation of Indian Industry) seminars and workshops for the students.
- Under STAR programme skill development (of National Skill Development Corporation, NSDC) first batch of 177 students successfully completed training programs in Sales Consultancy (38), Business Correspondent (120), Gems & Jewellery (19).
- College has signed a MoU with National Institute of Immunology (NII) to partner in “Science Setu” programme. This programme is aimed to contribute to national goal of encouraging young minds to take up science & technology as career option.
- Sports persons of our college have actively participated and won many awards at various national, international events. Our colleague in sports department is designated as Chief Public Information officer by Indian Olympic Association (IOA). Our college team is the inter-college boxing champion, in a row for last

11-12 years.

- College has an active NSS and NCC units. They organize blood donation camps, tree-plantation drives, take active part in “Swacch Bharat Campaign”. In past they were also involved in relief operations in Uttarakhand earthquake.
- Enabling unit of the college organizes many activities like cricket match (recently for visually challenged students), workshops on assistive technologies, etc.

2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

• Internal assessment that constitute assignments, class-tests and attendance are one of the major indicator of student performance and indicative of the achievement of learning objectives. Data in this regard is collected via tests / assignments / projects / presentation / quizzes / viva and personal interactions. As per University rules Internal Assessment constitutes 25% of the total theory paper marks. This is further divided into as (as defined by University rules) :

- Assignment, project : 10%
- Class test / Presentation : 10%
- Attendance : 5%

Further credit for attendance is given as (as per University rules)

- Attendance more than 67% but less than 70% : 1 Mark
- Attendance more than 70% but less than 75% : 2 Mark
- Attendance more than 75% but less than 80% : 3 Mark
- Attendance more than 80% but less than 85% : 4 Mark
- More than 85% attendance : 5 Mark

Apart from the formal data that is collected in, form of internal assessment and attendance, tutorials (practical in sciences) provides another informal method of data. Tutorials/ practical forms the backbone of the informal data that may not be quantified but is qualitative. Tutorials / practical provide opportunity for teaching-learning in very small groups (typically 8-12 students in each tutorial class and 15-20 students in each practical group) and hence individual problems of students can be easily addressed. This interaction with smaller group of students helps in better understanding of the student problems that eventually help in improvement of main lectures.

- End of semester examination and their results provide a useful data to assess student performance. Faculty members keep track of student results and review of the same is conducted by individuals and departments.
- College encourages students to take active part in sports and extra-curricular activities. As per University norms relaxation in attendance is given to students who actively participate in sports and extra-curricular activities.

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

Analysis of University results for further motivations and improvement. The inbuilt internal assessment process of various courses facilitate monitoring of learning outcomes.

2.6.7 Does the institution and individual teachers use assessment/ evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

As such there is no formal policy in this regard. But, yes, the teachers at their individual level, and some of the departments at their level do assess/evaluate the outcomes of students and discuss/deliberate upon the steps/measures which can probably be stepped into for the betterment of the all round performance of our students.

Any other relevant information: Nil.

Dyal Singh College (University of Delhi), Lodhi Road, New Delhi – 110 003
Self-Study Report

CRITERION - III

RESEARCH, CONSULTANCY AND EXTENSION

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CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the institution have recognized research centre(s) of the affiliating University or any other agency/organization?

We have three research labs fully dedicated to research in Chemistry - **Solution Chemistry, Nano and Medicinal Organic Chemistry**. Physics department has a research facility for **Theoretical High Energy Physics**. Several other departments of the college have well-equipped laboratories. The research work is carried out in the laboratories, though all of them are not recognized research centres. A Computer Resource Centre with more than 80 computers connected via a server and having Internet facility and connection to the Delhi University network facilitates collaboration among the students.

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

The monitoring of the projects and the issues related to research are handled by the mentors and the Principal Investigators of the projects.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects?

- § autonomy to the principal investigator
- § timely availability or release of resources
- § adequate infrastructure and human resources
- § time-off, reduced teaching load, special leave etc. to teachers
- § support in terms of technology and information needs
- § facilitate timely auditing and submission of utilization certificate to the funding authorities
- § any other

The institution promotes research initiatives by the faculty and has a facilitating environment for the same. The faculty is encouraged to take up research projects. The college provides full autonomy to the Principal Investigator of the research projects. There is a timely availability of the funds and the release of resources to the projects. The college supports the Project Investigators in terms of providing adequate infrastructure and human resource required for the projects. The research projects taken up by the faculty are in addition to their current teaching workload. The Information & Communication Technology support required for the project is provided by the college, like, Internet facility, Wi-Fi facility, e-journals, e-books, computing facility, etc. Additionally, the college is connected to the University LAN which allows access to all the journals subscribed by the University of Delhi. Also, the college is a member of the INFLIBNET, wherein the faculty can access the subscribed journals from anywhere. The funds provided by the funding agency for the different projects are managed separately and college provides support for

the timely auditing and submission of utilization certificate to the funding agencies.

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

The college organizes the following activities to promote scientific temper and research culture and aptitude amongst students

- A. **Lectures and Talks** by research persons and scientists are organized by the college in different subjects that enable the students to interact and learn from the eminent personalities
- B. **Seminars, Workshop, Symposium and Conferences** are organized by the faculty where students are provided awareness about the recent developments in the different areas of study
- C. **Field trips, Educational Tours are organized by the different departments** for students to provide them better appreciation of the course subjects in the curriculum. Few trips organized by college are:
 - Central Pollution Control Board, Arjun Nagar, Delhi - for understanding various aspects of pollution and their control mechanisms.
 - National Zoological Park, Delhi - for understanding wild life and their habitat.
 - National Museum of Natural History, New Delhi - for understanding history of bio-diversity and various ecological processes.
 - National Dairy Research Institute, Karnal – providing exposure on dairy farming, processing of milk products and fish farming.
 - IITF, Pragati Maidan, New Delhi – develop knowledge on subjects of Environment and Non-conventional Energy Sources.
- D. **Interdisciplinary Innovation Research Projects** by the University of Delhi have been awarded to 19 faculty members and 70 students in 2014-15. Rs. 1000/= per month per student is paid to encourage the students to take active interest in the projects.
- E. **Access to peer-reviewed journals, magazines, wi-fi enabled campus, and virtual learning environment** is provided to the students to promote scientific aptitude in the students.
- F. **In-house projects** involve active research-oriented engagement of the students, as a component of the curriculum.

Some of the key activities organized by the college are as follows -

- **Lectures delivered by eminent speakers** : (More than 56 in the last four years)
- Science Setu program with National Institute of Immunology is undertaken by college to aim to contribute to the national goal of encouraging more and more bright young minds to take up the pursuit of science and technology as a career option.
- **Gyanodaya trip-** an educational journey by College on Wheels, University of Delhi, engaged 50 students of our college over a period of 5 years.

- CII-Young initiative along with the college hosts several seminars for the benefits of the students
- **Students projects:**
 - 8% students of Chemistry department have done in-house projects including inter disciplinary projects
 - 100 % students of B. Com (Hons.) Final year have undertaken an in- house project under the guidance of faculty members.
 - In department of computer science 14 students participated as student investigators in four Innovation Projects. Two Students participated in Gyanodaya IV research project titled “Team SWITCH” (2014). In the previous program run by the department, all the students of final year participated in in- house projects as part of their curriculum.

3.1.5. Give details of the faculty involvement in active research (Guiding student research, Leading Research Projects, engaged in individual/collaborative research activity, etc.)

- Post Doc Supervision - 3 scholars
- PhD Supervision – 22 scholars
- MPhil Supervision – 3 scholars
- Undergraduate Innovation Projects –18
- UGC Funded Projects – 10
- ICSSR Funded projects - 5
- DST Funded projects - 3
- CSIR Funded Projects - 1
- ICMR Funded projects - 1
- DBT Funded projects - 1
- Indo-French project - 1

The faculty members involved in guiding students for doctoral research activities, post doctoral research activities and also in research projects are as follows-

Research Activity	Department	Name of Faculty
Ph.D., M. Phil. Research Guides	Chemistry	Dr. A. K. Nain
		Dr. Aruna Chikkara
		Dr. Alka Gupta
		Dr. Amita Malik
	Computer Science	Dr. Anita Goel
		Dr. Hema Banati
		Dr. P.V. Arya
Zoology	Dr Sanjiv Mullick	
Research Project Guides	Chemistry	Dr. A.K. Nain
		Dr. Aruna Chikkara
		Dr. Alka Gupta
		Dr. Swarita Gopal
		Dr. Amita Malik
		Dr. A.K. Bhagi
		Dr. Manish Gautam
		Dr. Nellie
		Dr. Amit Kumar

		Dr. K.P. Singh
		Dr.(Mrs.) K. Mandal
		Dr. Charu Chandra
		Dr. Indraj Kumawat
		Dr. Dev Raj Singh
	Economics	Dr. Sanjeev Kumar
		Dr. Mahendra Pal
		Dr. Bibek Rajjak
	Pol. Science	Dr. Amitabh Singh
		Dr. Sudhir Singh
	Physics	Dr. Naveen Gaur
		Dr. V.K. Paliwal
		Dr. Seema Trama
		Dr. Shibu Saha
	Commerce	Dr. Neeta Tripathi
	Zoology	Dr. P.V. Arya
		Dr. V.P. Aggarwal
		Dr.(Mrs.) R. Saxena
		Dr. S. Mullick
		Dr. Dharmendra Singh
		Dr. Vatsala Dwivedi
	Botany	Dr. Navneet Manav
		Dr.(Mrs.) N Bhandari
		Dr.(Mrs.) J. kaur
		Dr.(Mrs.) Anita Rani
		Dr.(Mrs.) P. Mohindra
		Dr.(Mrs.) Roma Katyal
Computer Science	Dr.(Mrs.) Anita Goel	
	Dr.(Mrs.) Hema Banati	
Mathematics	Dr. Arun Pal Singh	
	Dr. P.K Pandey	
Administration	Dr. I.S. Bakshi	
Urdu	Dr. Maula Baksh	
Hindi	Dr. Kedar Mandal	
Geography	Dr. Swati Thakur	

3.1.6. details of workshops/ training programmes/sensitization programmed conducted/ organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

Department	workshops/ training programmes/ sensitization programmed	Date	Funding Agency
Botany	Workshop on "Reproductive Biology of Angiosperms"	Mar., 2015	ILLL, UDSC

Chemistry	Chemistry Education and Research in 21 st Century	Feb. 5-6, 2009 Feb. 7-8, 2008	UGC, DST
	Frontiers and Challenges in Pharmaceutical & Environmental Chemistry	1 st &2 nd March. 2013	UGC
	Chemistry and Biology Interface	11 th May 2013	University of Delhi
Commerce	Recent development in capital market	12 th Jan., 2012	ICSI and The College
	Equity market and Future and options	26 th Sept., 2013	ICSI & Investor Education and Protection fund, Ministry of corporate affairs
	Chartered Certified Accountant Qualification (ACCA or FCCA)	30 th Jan., 2014	The Chopra's
	Companies Act, 2013:A move towards better corporate governance	3 rd Nov., 2014	The College
	Seminar on Wealth management	Aug., 2014	ICFAI
	Seminar on enhancing skills to face challenges in competitive world	7 th April 2015	NDIM
	Career in banking and finance		TIMES Pro
	Seminar on income tax return	13 th August 2015	
	Tally workshop	13 th Oct 2015	The College
Computer Science	Hands-on training and workshop on 'Web Development'	13th April,2013	Innovation Council, DU
	Inter College Computer festival, 'Computer Jam'	2009	Pearson Education, Hero Honda
Physics	"National Conference on Photonics"	2009	CSIR
	Workshop on photonics and other areas of physics	Feb. 18,2013	National Academy of Science (NAS)
	"Conference-cum-workshop on High Energy Physics Phenomenology"	1996	UGC, DST
	Flavor Physics working group of Workshop on High Energy Physics Phenomenology (WHEPP)	2013	DAE (Department of Atomic Energy)

Sensitization Programmes

- Women Development Cell (WDC) organized an invited on issues regarding Women and Society delivered by former IPS officer Dr. Kiran Bedi.
- WDC organized a workshop on self-defence for women and chivalry for men facilitated by SLAP, an NGO towards training women in self-defence.

NSS program activities

- Organised Blood Donation camps in the college.
- Organised Free Health Check-up camp for Teaching and Non-Teaching staff of the college.
- Conducted lecture by Brahma kumaris on the topic “Positive change for youth overcoming stress and anger.”
- Organised lecture on women safety and security
- Organised camp on road safety rules
- Organised tree plantations in the college
- Organised poster and slogan writing competition
- Organised one week Anti-Drug Anti Ragging Campaign in the college
- Organised 5 day basic course on Art Of Living for the students
- Campus cleaning drive
- Organised lecture and quiz on AIDS
- Organised NSS fest

NCC activities

- Organised personality development classes for NCC cadets
- Participation in NCC camps by ANO and NCC cadets
- Organised Tree plantation
- Organised Blood Donation camp
- Organised Cancer awareness rally
- Organised Swacch Bharat Abhiyaan
- International Yoga Day

3.1.7. Provide details of prioritized research areas and the expertise available with the institution.

Department	Area of Expertise
Bengali	Folk Lore & Women's Writing
Botany	Plant Physiology, Mycology and Plant Pathology, Tissue Culture, Embryology, Microbial Ecology, Biochemistry and Molecular Biology, Plant Physiology. Microbiology, Microbial and Molecular Ecology, Plant Physiology, Tissue Culture and Biotechnology

Chemistry	Inorganic chemistry, Physical Chemistry, Organic Chemistry, Nano Chemistry, Medicinal Chemistry, Solution Chemistry
Commerce	Accounting, Finance, Income Tax, Marketing, Consumer Behavior, Financial Accounting, Commerce, HRM, Business Management, Organizational Behavior, Law, International Business, Corporate Governance, Taxation
Computer Science	Cloud Computing, Software Engineering, Education Management, HCI, Social Networks, Nature Inspired Computing
Economics	Labor and Development Economics, Advance Economic Theory, International Economics & Econometrics, Econometrics, Development Economics, Macroeconomics & International Economics
English	English Novel, British fiction, English Education in Schools in West Bengal, Indian literature, Dalit literature, Literary theory, African Literature & Translation, Drama, Women's writing, Post colonial literature, English Literature, Post Colonial Studies, English Language, Contemporary literature, Post Colonial Literature, Print & Documentation in the Khasi Hills, Indian Drama in English, Gender Studies, Indian Poetry, British Drama, English Poetry of Rabindernath Tagore, Modern British Drama, Dalit Literature in Bengal, Post colonial literature & Non-fiction
Geography	Settlement Geography, Political Geography, Geomorphology, Agricultural Geography, Resource, Social Geography, Tourism, Social Impact Assessment, Urban Geography, Climate Change, Natural Resource Management, Urbanization and Development, Urban Environment, Regional Development
Hindi	Hindi Drama, Dalit Sahitya, Literary Theory, Lok Sahitya, Katha Sahitya, World Hindi Diaspora, Aadhunik Hindi Sahitya, Criticism, Media, Aadhunik Kavita, Hindi Patrakaritaa, Madhykal
History	Ancient India, Modern India, Medieval India, Ancient (Archaeology)
Mathematics	Analysis, Discrete Mathematics, Abstract Algebra, Cryptography, Numerical Analysis, Operations Research
Philosophy	Existentialism, Trik Darshan
Physical Education	Cricket, Boxing, Archery, Athletics, Basketball, Volleyball, Football
Physics	Condensed matter, Electronics, Material Science, Solid State Physics, Opto - electronics, Theoretical Particle Physics, Micro strip Antenna, Non-linear dynamics, Atmospheric Science, super-conductivity, Astrophysics, Plasma Physics, Instrumentation
Political science	Colonialism and Nationalism in India, International Politics, Political Theory and Philosophy, Political Theory, Western Political Thought, Politics of Indigenous Peoples, Indian Politics
Punjabi	Diaspora Studies, Literary Criticism, Gurmat Studies
Sanskrit	Poetics
Urdu	Criticism , Fiction and criticism
Zoology	Cytogenetics, Molecular biology, Biochemistry, Immunology, Endocrinology & Reproduction, Parasitology, taxonomy, Fish pathology, Bioinformatics, Cancer Biology, Entomology, Applied Entomology, Insect Behavior, Insect-Plant interactions.

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students.

The college organizes seminars, invited talks, symposia to attract researchers of eminence. Also, the Annual Day, Founders Day are graced by persons of eminence

who are academicians. The persons of eminence who have visited the college are listed below-

Department	Eminent academicians and scientists/visitors
Bengali	Dr. Amitava Chakrabarty (Delhi University), Sh. Dilip Kumar Basu, Dr. Anushree Ghosh, Prof. Suva Das Gupta, Mr. Dilip Basu, Prof. Munshi Mohd. Yunus, Prof. Sredvati Chakarboroty and Prof. Sarmishtha Seh.
Botany	Prof. Rajeev Mohan Aggarwal, Jiwaji University, Gwalior; Dr. Natesh, Senior Scientific Advisor, NII; Dr. S. Gopalan Sampat Kumar, Scientist, NII; Prof. S.S. Bhojwani, Dayal Bagh University, Agra; Dr. M.C. Arunan, Consultant, TIFR, Mumbai; Prof. Arun Jaganath, Department of Botany, DU; Prof. Amar Kumar, Department of Botany, DU; Prof. Shailendra Goyal, Department of Botany, DU; Dr. Geeta Ram, New York University; Prof. Sanjay Kapoor, South Campus, DU
Chemistry	Dr. K.L. Kapoor, Hindu College (DU); Dr. R.K. Sharma, Department of Chemistry (DU); Dr. J.M. Khurana, Department of Chemistry (DU); Dr. J.L. Sharma, Kirori Mal College, (DU); Dr. Madhu Chopra, Ambedkar Centre for Biomedical Research, University of Delhi
Computer Science	Prof. S. C. Gupta- IIT Delhi, Department of Computer Science. Former Deputy Director, NIC Delhi; Prof. Ramesh Aggarwal, Jawaharlal Nehru University, Department of Computer Science; Dr. Ajay Gupta-Director, Delhi University Computer Center
Commerce	Dr. Vijay Goel, Member Parliament
Economics	Prof. S.P. Panda (Delhi School of Economics); Prof. Pulin B. Nayak; Prof. Purnima Das Gupta (Institute of Economic Growth).
Geography	Dr. R.B. Singh, HOD, Department of Geography, Delhi School of Economics, University of Delhi, 2013-14.
Hindi	Prof. Nityanand Tiwari & Dr. Vishwnath Tripathi
Mathematics	Prof. Dinesh Singh (Former Vice-Chancellor, DU), Prof. Ajay Kumar (Former Head, Mathematics Department, DU), Prof. B.K. Das (Former Head, Mathematics Department, DU), Prof. Hukam Singh (Former Head, DESM, NCERT, New Delhi)
Physics	Prof. A. R. Verma (former Director, NPL) Prof. V. K. Tripathi (IIT-Delhi); Prof. A.K. Ghatak (IIT-Delhi), Prof. N. Panchapakesan (DU); Prof. Deepak Kumar (JNU); Prof. S.P. Tewari (DU); Prof. K. K. Dutta (DU); Prof. Shobhit Mahajan (DU); Prof. T. R. Seshadri (DU); Prof. Debajyoti Choudhury (DU); Prof. Avinash Khare (DU); Prof. Annapoorni (DU); Prof. K. Sreenivas (DU); Prof. Abhai Mansingh (DU); Prof. K. Thayagarajan (IIT-Delhi); Prof. Vinay Gupta (DU); Prof. Anurag Sharma (IIT-Delhi); Prof. M. R. Shenoy (IIT-Delhi); Prof. Anirban Pathak (Jaypee Institute of Information Technology, U.P.); Padma Vibhushan Prof. V. P. Sharma (National Academy of Sciences); Prof. Shivprasad (JNCSR, IISc, Bangalore), Prof. Pankaj Sharan (Jamia Millia Islamia); Prof. M. Sami (Director, Center for Theoretical Physics, Jamia Millia Islamia); Prof. Satyaki Bhattacharya (Saha Institute of Nuclear Physics, Kolkata); Prof. Patrick Dasgupta (DU); Prof. A. G. Vedeshwar (DU); Prof. S. T. Laxmikumar (NPL, Delhi); Prof. P. K. Kulariya (IUAC, Delhi); Prof. D. K. Awasthi (IUAC, Delhi) & Prof. Subhasis Ghosh (JNU, Delhi)

Political Science	Prof Achin Vanik; Prof. Ujjwal Kumar Singh; Prof. Nivedita Menon; Prof. Gopal Guru; Dr. Hilal Ahmed; Prof. Subrat Mukherjee & Dr. Inrajeet Kaur
Punjabi	Prof. Kapil Kapoor; Prof. Jagbir Singh (DU); Prof. Jasbir Jain; Prof. R. S. Rangila; Prof. S. S. Noor; Prof. Rawail Singh; Prof. Gurmeet Singh; Prof. Jaswinder Singh & Dr. M. K. Gill
Urdu	Prof. Ibne Kanwal, Prof. Anwae Pasha, Prof. Irteza Karim, Prof. Kausar Mazhari, Prof. Atiqullah, Prof. Sadiq, Prof. S.R. Kidwai, Prof. Mohommad Shahid Husain, Prof. Khalid Mehmood, Prof. Wahajuddin Alvi, Prof. Ratan Singh, Prof. Ghazanfar
Zoology	Prof. Rup Lal (Biotechnologist), Dr. P. Kumar (Wildlife photographer), Prof. N.P.S. Chauhan (Wild Life Biologist), Prof. A.K. Singh (Animal Behaviourist), Prof. J.P. Khurana (Plant Molecular Biotechnologist), Prof. K. Muralidhar (Endocrinologist), Mrs Shobha Tuli, President (Federation Of India, Thalessemia), Dr. Ravi Chadurvedi(Zoologist & Cricket Commentrator of international fame).

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

NA

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/ advocating/ transfer of relative findings of research of the institution and elsewhere to students and community (lab to land).

The college takes up several initiatives to promote the research culture in the institution. For this, several workshops are organized, faculty is encouraged to take up several research projects and the findings were displayed during the Delhi University Annual festival. Also, students are made aware about the environment and cleanliness.

3.2. RESOURCE MOBILISATION FOR RESEARCH

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

Dyal Singh College is a University maintained college fully funded by University Grants Commission (UGC). The grants received from the UGC have no provision for research component. In the college, the faculty undertakes research projects which are externally funded by various funding agencies. The innovation projects involving students and faculty are funded by the University of Delhi. The college receives grant from UGC to support registration in refresher courses, etc. up to Rs 15,000/- per annum.

3.2.2 Is there a provision in the institution to provide seed money to the faculty of research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

There is no provision in the college to provide seed money to the faculty for research. However, infrastructural support is provided by the college to facilitate the research.

3.2.3 What are the financial provisions made available to support student research projects by students?

During the year 2012-13, the college was sanctioned an amount of Rs 40 lacs to the four Innovation projects involving student research from University of Delhi. In 2013-15, an amount of Rs 36.50 lacs was sanctioned for the seven Innovation projects. In 2015, an amount of 31 lacs was sanctioned for six projects.

3.2.4. How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavours and challenges faced in organizing interdisciplinary research.

Sl.	Project	Utility Lab to Land	Faculty involved
1	DSC-201	The project explores removal of toxic metals from laboratory effluents using green technologies. It's a multidisciplinary approach with an objective to provide an apt solution to treat laboratory waste water.	Dr. A.K. Bhagi, Dr. (Mrs.) Navneet Manav, Dr.(Mrs.) N. Bhandari & Dr. (Mrs.)J. Kaur
2	DSC -202	The project explored local anesthetics (las) for antifungal/antimicrobial activities.	Dr. Anita Rani, Dr. M.Gautam, Dr. Nellie
3	DSC -203	The project explored microwave assisted extraction of active principles from natural resources using green solvents – ionic liquids.	Dr.(Mrs.) Aruna Chikkara, Dr.(Mrs.) Amita Malik; Dr.(Mrs.) R. Saxena
4	DSC-204	The project focuses on the development of mobile app for the students of the college. It will provide students access to the relevant information in the simplest possible way.	Dr.(Mrs.) A. Goel, Dr. Arun Pal Singh & Dr. I.S. Bakshi
5	DSC-205	The project studied studied chemistry of hazardous chemicals using nanomaterial and quantum mechanical techniques.	Dr. Amit Kumar, Dr. K.P. Singh & Dr. V.K. Paliwal
6	DSC-206	The project developed electronic database of internal morphology of plants and animals listed for undergraduate course of Delhi university which is hosted on college website.	Dr. K. Mandal, Dr. Roma Katyal, Dr.(Mrs.) Charu Chandra, Dr. Indraj Kumawat
7	DSC-207	The project studied the effect of soil-pollutant interaction on physiochemical and geotechnical properties of soils of different nature (<i>for courses of university of Delhi</i>).	Dr. V.P. Aggarwal, Dr. P. Mohindra, Dr. S. Mullick & Dr. P.V. Arya

8	DSC-101	It focused on using green ways to carry out experiments at undergraduate level. Use of ionic liquids as alternative to conventional organic solvents has been explored in the project.	Dr. Aruna Chikkara Dr. Amita Malik Dr. Ranjana Saxena
9	DSC-102	The project is about study of the structure-property relationship and activity of the various chemical ingredients of these plants. Antioxidant properties of active ingredients of medicinal plants like Quercetin are being investigated.	Dr. Amit Kumar Mr. K. Kr. Saini Dr. P. Chitralakha
10	DSC-103	The project carried out a survey on annual consumption of toxic chemicals that are drained out in water bodies without treatment by various colleges of Delhi University. Some new innovative and eco-friendly experiments have been designed which can be considered for inclusion in the curriculum of Delhi University.	Dr. A.K. Bhagi, Dr. Amit Kumar, Dr. Navneet Manav, Dr. Vinod Paliwal
11	DSC-104	E-museum is being developed to overcome limitations, deterioration of preserved animals, non-availability of all specimens in every college etc. and to benefit larger group. It will provide information & research updates on specimens. E-museum allows visitors to have username and password and even add to the collection; can be accessed via social media. It will emerge as a valuable research tool among the users for understanding Animal Biodiversity	Dr. V.P. Agarwal, Dr. P.V. Arya , Dr. Sanjiv Mullick, Dr. Anita Goel

Interdisciplinary research promotes exchange of ideas and interaction among students from different disciplines. The contributions of different disciplines are integrated, thus providing holistic research outcomes

- 17 Interdisciplinary innovation projects from the University of Delhi were awarded to the college. This involved 170 students (10 students per project) and 51 faculty members (minimum 3 faculty per project) to handle/guide the project.
- 3 interdisciplinary expeditions in Gyanodaya-College on Wheels from University of Delhi involved participation of 30 students in all from different disciplines.

For example, the innovation project on development of e-device application involved faculty and students from Computer Science, Mathematics and Botany and College Administration to develop DUIT, a personalized mobile app for disseminating information 24x7 to the College students. The app is productized and available on the Google play store for use by students.

The challenges faced while working in an interdisciplinary project includes-

- A. Gathering students from different disciplines in a common free time slot for discussion.
- B. Balanced utilization of skill sets of the heterogeneous group of students in a constructive manner.

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

- A. The college has 22 laboratories (including computer labs linked to University of Delhi through fiber optic) facilitating research environment
- B. The college library has 96,000 books and 53 journals/magazines catering to research and academic needs of the faculty and students.
- C. The college issues laptops to students to promote research and academic activity, on returnable basis.
- D. The college library provides access to 380 e-journals and 80,000 e-books via N-list program of MHRD/UGC.
- E. The college library is equipped with JAWS software, scanner and braille printer to provide IT based research services to visually impaired students and faculty
- F. The college campus is wi-fi enabled and have access to special software such as q-basic, Chemdraw, Treecon, Phylip, Phylodraw, Maxima, Ic3 and Mathematica etc.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If yes, give details.

Details of projects and funding received from industry & beneficiary agencies:

Project/Event	Grant (in Rs.)	Funding Agency	Year
Indo-French Collaboration in Theoretical High Energy Physics – IFTHER (Letter of Intent)	90, 00, 000	CNRS, France	2015
Interdisciplinary Innovation Projects	40,00,000	University of Delhi	2012-2013
Interdisciplinary Innovation Projects	36,50,000	University of Delhi	2013-2015
Interdisciplinary Innovation Projects	31,00,000	University of Delhi	2015-2016
UGC Projects	86,15,600	University Grants Commission	2013-2016
DBT Projects	25,00,000	Department of Biotechnology	2013-2016
DST Projects	32,46,000	Department of Science and Technology	2013-2016
ICSSR Projects	19,07,099	Indian Council of Social Science Research	2013-2016
ICMR Projects	9.02,400	Indian Council of Medical Research	2013-2016
CSIR Projects	8,38,752	Council of Scientific and Industrial Research	2013-2016

Details of seminars/conferences/workshops and funding received from industry & beneficiary agencies:

Seminars/ Conferences/Workshops	Department	Source of Funding
Workshop on “Reproductive Biology of Angiosperms”	Botany	ILLL, UDSC
Chemistry Education and Research in 21 st Century	Chemistry	UGC, DST
Frontiers & Challenges in Pharmaceutical & Environmental Chemistry	Chemistry	UGC
Chemistry and Biology Interface	Chemistry	University of Delhi
National Seminar on ‘Sociology of Dalit Literature’ sponsored by ICSSR was organized in 2013	College	ICSSR
Recent development in capital market	Commerce	ICSI and The College
Equity market and Future and options	Commerce	ICSI & Investor Education and Protection fund, Ministry of corporate affairs
Chartered Certified Accountant Qualification (ACCA or FCCA)	Commerce	The Chopra’s
Companies Act, 2013:A move towards better corporate governance	Commerce	The College
Seminar on Wealth management	Commerce	ICFAI
Seminar on enhancing skills to face challenges in competitive world	Commerce	NDIM
Career in banking and finance	Commerce	TIMES Pro
Seminar on income tax return	Commerce	
Tally workshop	Commerce	The College
Hands-on training and workshop on ‘Web Development’	Computer Science	Innovation council, DU
Inter College Computer festival, ‘Computer Jam’	Computer Science	Pearson Education, Hero Honda
National Conference	Hindi	UGC
International Conference	Hindi	UGC, ICSSR
“National Conference on Photonics”	Physics	CSIR
Workshop on photonics and other areas of physics	Physics	National Academy of Science (NAS)
“Conference-cum-workshop on High Energy Physics Phenomenology”	Physics	UGC, DST
Flavour Physics working group of Workshop on High Energy Physics Phenomenology (WHEPP)	Physics	DAE (Department of Atomic Energy)
National: 11 (College and Punjabi Academy, Delhi) International: 2 (College and Punjabi Academy, Delhi)	Punjabi	The College & Punjabi Academy, Delhi

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

The college provides the support for the research in every possible manner to facilitate the faculty in securing research funds from various funding agencies, industry and other organizations

- 11 Innovation projects funded by University of Delhi have been completed.
- 6 Innovation projects funded by University of Delhi are ongoing

The details of the projects and their funding are provided in the following tables-

Completed Innovation Projects

- 21 projects funded by different research funding agencies

Name	Department	Funding Agency	Grants
Dr. Aruna Chikkara Dr. Amita Malik Dr. Ranjana Saxena	Chemistry & Zoology	Delhi University	10,00,000
Dr. Amit Kumar Mr. Keshav Kr. Saini Dr. P. Chitrlekha	Chemistry & Botany	Delhi University	10,00,000
Dr. V.P. Aggarwal, Dr. A. Goel; Dr. S. Mullick Dr. P.V. Arya,	Zoology & Computer Science	Delhi University	10,00,000
Dr. A.K. Bhagi, Dr. A. Kumar, Dr. N. Manav, Dr. V. Paliwal	Chemistry & Physics	Delhi University	10,00,000
Dr. A.K. Bhagi, Dr. (Mrs.) Navneet Manav, Dr. (Mrs.) N. Bhandari & Dr. (Mrs.) J. Kaur	Chemistry & Botany	Delhi University DS-201	4,50,000.00
Dr. Anita Rani, Dr. Manish Gautam, Dr. Nellie	Botany & Chemistry	Delhi University DS-202	4,00,000
Dr. (Mrs.) Aruna Chikkara, Dr. (Mrs.) Amita Malik Dr. (Mrs.) R. Saxena	Chemistry &Zoology	Delhi University DS-203	4,50,000
Dr. (Mrs.) Anita Goel, Dr. Arun Pal Singh & Dr. I.S. Bakshi	Comp.Science, Mathematics, College Principal	Delhi University DS-204	5,00,000.00
Dr. Amit Kumar, Dr. K.P. Singh & Dr. V.K. Paliwal	Chemistry & Physics	Delhi University DS-205	5,50,000.00
Dr. K. Mandal, Dr. R. Katyal, Dr. C. Chandra, Dr. I. Kumawat	Chemistry & Botany	Delhi University DS-207	6,50,000.00
Dr. V.P. Aggarwal, Dr. P. Mohindra, Dr. S. Mullick & Dr. P.V. Arya	Zoology & Botany	Delhi University DS-206	6,50,000.00

3.3 RESEARCH FACILITIES

3.3.1 What are the research facilities available to the students and research scholars within the campus?

- 22 laboratories (including computer labs linked to University of Delhi through fiber optic)
- 96,000 books and 53 journals/magazines in college library
- 380 e-journals and 80,000 e-books via N-list program of MHRD/UGC.
- 30 multimedia projectors in labs and classrooms
- 120-seater Seminar hall
- 210-seater Auditorium with state of art facility
- 1000-seater Amphitheatre
- Special software for different disciplines
- JAWS software, scanner and braille printer for visually impaired
- Issue laptops to students on returnable basis.
- Wi-fi enabled campus
- Login-id provided to students
- Email account provided to students

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

The college promotes research by way of support for research equipment, providing physical space for research, providing access to books and journals required for research and promotes expanding the span of the number of faculty and students involved in the research projects. The college has purchased several research-specific equipment that has upgraded the research facility of the different departments. The library subscribes to various e-books and journals required for research and provides access to other libraries of the country via the N-list program. There are well-equipped research centers that have been provided space, exclusively, for research, seminar rooms, projector-equipped laboratories and computing facility with Internet. There are 38 research projects that includes completed and ongoing ones over the period of last four years.

3.3.3 Has the institution received any special grants or finances form the industry or other beneficiary agency for developing research facilities?? If ‘yes’ what are the Instruments/facilities created during the last four years.

In the last four years, the college has received grants from various funding agencies, as detailed in Sections 3.2.7 and 3.2.8. The instruments purchased for the research facility during the last four years are as follows-

- Workstation for high performance computing
- 2 IBM Server for High-end computing
- Nikon trinocular Microscope E-200
- Gaussian 09 Multiprocessors software
- LEN THINKSTATION 0569E65 work station

- LJ1218 MFP printer
- UV Vis Spectrophotometer model 2202
- Hot air oven
- Digital ph meter
- Digital connectivity meter
- Scanner portable
- Volumetric flask
- Quartz cuvette
- Digital temperature controller
- Slide VU/View Technology SLI series CMOS Camera
- Laboratory microscope
- Samsung T231N (TAB4 7")
- A& D Japan make compact Analytical Balance
- Vacuum oven (Round)
- Vacuum pump 50 Ltr Motor
- Nitrogen cylinder
- Flask Shaker wrist action type for 8
- Absorbency testing equipment
- 2 stage double meter gas regular os brass fitted with SS diaphragm for Co₂ gas
- Spinix vortex shaker
- Spinot Magnetic Stirrer with hotplate
- hychem Professional rel Software release 8.0
- Remi Make cyclo Mixer with variable speed

3.3.4 What are the research facilities made available to the students and research scholars outside the campus/other research laboratories?

The students and research scholars can avail the following research facilities outside the campus-

- Library Facilities in the University – Central Library, Ratan Tata Library, Central Science Library, South Campus Library, Arts Library
- Computing Facility at Delhi University Computer Centre
- Research facility in different departments of University of Delhi
- Research facility of other laboratories includes IIT Delhi, AIIMS, IGIB.

3.3.5 Provide details on the library/information resource centre or any other facilities available specifically for the researchers.

The College library has provided services to researchers, particularly faculty members who have taken research project from different sponsoring bodies. The library also extend its services to those research associates who are working on research project. The library has procured books for research projects, provided ICT infrastructure and space for research work. The library has well equipped reading room with OPAC facility, computers and Wi-Fi network for access internet facility on laptop. The library provides access to e-resources of Delhi University Library System, access to e-resource (6000+ e-journals and 97000+ e-books) by getting membership of NLIST program. Library has collection of approx. 60,000 titles, subscribing 52 periodicals/magazines and 19 Newspapers.

3.3.6 What are the collaborative research facilities developed/created by the research institutes in the college? For eg., Laboratories, library, instruments, computers, new technology etc.

There are 22 well equipped laboratories of different departments of the college which consist of equipment that can be used for both teaching and research purposes. The computing facility is provided to the different departments which have software relevant to their discipline. Three research lab are fully dedicated to the research in Chemistry. A Computer Resource Centre with more than 80 computers connected via a server and having Internet facility and connection to the Delhi University network facilitates collaboration among the students. The equipment purchased under the interdisciplinary research projects are used in a collaborative manner for research. The e-facility for books, journals and magazines in the library allows easy access of these resources to students of different disciplines. The instruments for research already highlighted in Section 3.3.3 are used for collaborative research.

3.4 Research Publications and Awards

3.4.1. Highlight the major research achievements of the staff and students in terms of:

- Patents obtained and filed (Process and Product)
- Original research contributing to product improvement
- Research studies or surveys benefiting the community or improving the services
- Research inputs contributing to new initiatives and social development

Patents obtained and filed by the faculty are as follows-

Faculty	Patent Details
Dr. P. V Arya (Zoology)	Phytocontrol of root knot nematode (<i>Meloidogyne spp.</i>) Application No. 3005/DEL/2011; Date of Filing : 20/10/2011 Pub. Number and Date: 17/2013 and 26/04/2013
Dr. P. V Arya (Zoology)	Microscope slide for fixation and staining of microscopic parasite/specimen. Application No. 3361/DEL/2011 Date of Filing : 24/11/2011 Pub. No. & Date: 21/2013 & 24/05/13
Dr. Amita Malik (Chemistry)	Barium Containing Novel Polyacrylate For Optical Applications ; Patent No. US 8586646 B2
	Process For The Synthesis And Preparation Of Polymeric Materials For Use In Optical Applications Such As Plastic Lenses; Patent No. US 8,173,754B2
	Lead Containing Novel Polyacrylate For Optical Application. Patent No. US 8,586,645B2
	A Process For The Preparation Of Lanthanum Based Plastic Material; Indian Patent : 260069
	A Process For The Preparation Of Lead Based Plastic Material For Use In Optical Lenses And Coatings; Indian Patent-260948
	A process for producing a sanitary napkin, Indian Patent – 258883

	A process for the synthesis and preparation of polymeric materials for use in optical applications such as optical lenses CN-200780027467, Aug26, 2009.
	Lanthanum containing novel polyacrylate for optical application and coating application CN-200780027457, July 22, 2009.
	Lead containing novel polyacrylate for optical application and coating application; CN-200780026816, July 22, 2009
	Barium containing novel polyacrylate for optical application and coating application; Patent No. CN-200780026733, July 22, 2009
	Lanthanum containing polyacrylates for optical applications Application no.12/303/659
	Process for synthesis and preparation of polymeric material for use in optical application such as optical lenses. Application no.1398.del/2006
	Process for barium based ; Application no. 1340 /del/2006

Research Projects (Innovation Projects funded by University of Delhi)

1. **DSC-201:** The project explores removal of toxic metals from laboratory effluents using green technologies. It's a multidisciplinary approach with an objective to provide an apt solution to treat laboratory wastewater. The project Investigators includes Dr. A.K. Bhagi, Dr. (Mrs.) Navneet Manav, Dr. (Mrs.) N. Bhandari & Dr. (Mrs.) J. Kaur.
2. **DSC-202:** The project explored local anesthetics (las) for antifungal/antimicrobial activities. The project Investigators include Dr. Anita Rani, Dr. Manish Gautam, Dr. Nellie.
3. **DSC-203:** The project explored microwave assisted extraction of active principles from natural resources using green solvents – ionic liquids. The project Investigators includes Dr. Aruna Chikkara, Dr. Amita Malik, and Dr. R. Saxena.
4. **DSC-204:** The project focuses on the development of mobile app for the students of the college. It will provide students access to the relevant information in the simplest possible way. The project Investigators include Dr. (Mrs.) Anita Goel, Dr. Arun Pal Singh & Dr. I.S. Bakshi.
5. **DSC-205:** The project studied chemistry of hazardous chemicals using nanomaterial and quantum mechanical techniques. The project Investigators include Dr. Amit Kumar, Dr. K.P. Singh & Dr. V.K. Paliwal
6. **DSC-206:** The project developed electronic database of internal morphology of plants and animals listed for undergraduate course of Delhi university which is hosted on college website. The project Investigators include Dr. V.P. Aggarwal, Dr. (Mrs.) P. Mohindra, Dr. S. Mullick & Dr. P.V. Arya.
7. **DSC-207:** The project studied the effect of soil-pollutant interaction on physiochemical and geotechnical properties of soils of different nature (*for courses of university of Delhi*). The project Investigators include Dr. (Mrs.) K. Mandal, Dr. (Mrs.) Roma Katyal, Dr. (Mrs.) Charu Chandra, Dr. Indraj Kumawat.
8. **DSC-101:** It focused on using green ways to carry out experiments at undergraduate level. Use of ionic liquids as alternative to conventional organic solvents has been explored in the project. The project Investigators include Dr.

Aruna Chikkara, Dr. Amita Malik, Dr. Ranjana Saxena.

10. **DSC-102:** The project is about study of the structure-property relationship and activity of the various chemical ingredients of these plants. Antioxidant properties of active ingredients of medicinal plants like Quercetin are being investigated. The project Investigators include Dr. Amit Kumar, Mr. Keshav Kr. Saini, Dr. P. Chitralkha.
11. **DSC-103:** The project carried out a survey on annual consumption of toxic chemicals that are drained out in water bodies without treatment by various colleges of Delhi University. Some new innovative and eco-friendly experiments have been designed which can be considered for inclusion in the curriculum of Delhi University. The project Investigators include Dr. A.K. Bhagi, Dr. Amit Kumar, Dr. Navneet Manav, Dr. Vinod Paliwal.
12. **DSC-104:** E-museum is being developed to overcome limitations such as deterioration of preserved animals, non-availability of all specimens in every college etc. and to benefit larger group. It will provide information and research updates on specimens. E-museum allows visitors to have username and password and even add to the collection; can be accessed via social media; can be accessible to the visually impaired. It will emerge as a valuable research tool among the users for understanding Animal Biodiversity .The project Investigators included Dr. V.P. Aggarwal, Dr. P.V. Arya, Dr. Sanjiv Mullick, Dr. Anita Goel.

Some publication (research /popular article) by faculty members in recent past

1. Alcohols, A K Bhagi, Junior Science Refresher XVII (6), (2002) 55-63.
2. Ali, A.; S. Ansari and Nain, A.K. Densities, refractive indices and excess properties of binary mixtures of DMSO + poly(ethylene glycol) 200, 300 and 400 at temperatures from 303.15 to 318.15 K. *J. Mol. Liq.*, 178, 178-184 (2013).
3. Aliphatic Carbonyl Compounds – I, A K Bhagi, Junior Science Refresher XVII (7), (2002) 119-125.
4. Aliphatic Nucleophilic Substitution Reactions, A K Bhagi, Junior Science Refresher XV (9), (2000) 28-34. Covalent Bond-II, A K Bhagi Junior Science Refresher XV (8), (2000) 24-30.
5. Arya, D.K.; A. Verma, Dharmendra Singh and J.B.S. Kachhawa. A review on pharmacological / biological activities of different derivatives of phenothiazines. *International Journal of Environment & Animal Conservation* (India), 2013; 2 (2): 24-31. ISSN: 2249-5185.
6. Arya, D.K.; A. Verma, Dharmendra Singh and J.B.S. Kachhawa. Synthesis of 4H-1,4-Benzothiazine-1,1-dioxides (Sulfones). *Medicinal Drug Research* (India), 2013: 1(2); 5-9. ISSN: 0970-1524.
7. Arya, P.V. (2012). Potential of Ecotourism for Indian Economy. DEEKSHA-The Complete Environmental Magazine : IX (I); (Apr.-Jun. 2012): 22-25.
8. Arya, P.V. (2013). Role of Zoology Museum in understanding fauna diversity and need for e-museum. DEEKSHA-The Complete Environmental Magazine : IX (IV); (Jan-Mar. 2013) : 18-20.
9. Arya, P.V. & H.S. Singh (2015). Chaetotaxy mapping of argentophilic papillae in *Mizelleus indicus* (Jain, 1957), Pandey et al. 2003 and its relevance to species characterisation. *International Journal of Innovation Science and Research (IJISR)* ; 4(8): 377-380. ISSN : 2319-9369.
10. Arya, P.V. and H.S. Singh (2013). Functional dynamics observations of haptoral armature in *Mizelleus indicus* (Jain 1957) Pandey et al., 2003. *J Parasit Dis* (DOI 10.1007/s12639-013-0289-2). ISSN 0971-7196 [NAAS Score- 4.65].

11. Arya, P.V. and H.S. Singh (2015). Zoogeographical distribution an evidence of co-evolution : Freshwater fish parasitic monogenean Genus *Mizelleus* & its host diversity. International Journal of Scientific Research (IJSR), 4(6) : 589-590. ISSN : 2277-8179.
12. Arya, P.V. and H.S. Singh (2015). Zoogeographical distribution an evidence of co-evolution : Freshwater fish parasitic monogenean Genus *Mizelleus* & its host diversity. International Journal of Scientific Research; 4(6): 589-590; ISSN: 22778179.
13. Behl, G.; M. Sikka; A. Chhikara & M. Chopra. 2014. PEG-coumarin based biocompatible self-assembled fluorescent nanoaggregates synthesized via click reactions and studies of aggregation behaviour. *Journal of Colloid And Interface Science* 416C, pp. 151-160, DOI information: 10.1016/j.jcis.2013.10.057
14. Bhattacharya, A. and N. Bharti (2015). Burden Of Malaria And Prospective Challenges In South-East Asia Region: A Review. International Journal of Tropical Disease & Health, 9 (10):1-7. ISSN: 2278-1005.
15. Bonding in Organic Compounds, A K Bhagi, Junior Science Refresher XVII (3), (2002) 147-151.
16. Carbohydrates, A K Bhagi, Junior Science Refresher XVII (4), (2003) 52-56.
17. Carbonyl Compounds, A K Bhagi, Junior Science Refresher XVI (1), (2001) 23-30.
18. Carboxylic Acids-II, A K Bhagi, Junior Science Refresher XVII (8), (2003) 50-52.
19. Carboxylic Acids, A K Bhagi, Junior Science Refresher XVII (7), (2003) 45-51.
20. Chemical Arithmetic and Mole Concept, A K Bhagi , Junior Science Refresher XVI (10), (2001) 32-38.
21. Chemical Equilibrium, A K Bhagi , Junior Science Refresher XVII (5), (2002) 53-61.
22. Chemical Kinetics, A K Bhagi, Junior Science Refresher XVII (10), (2002) 22-28.
23. Chemical Thermodynamics, A K Bhagi, Junior Science Refresher XVII (2), (2003) 38-47.
24. Chemistry of Transition Elements, A K Bhagi, Junior Science Refresher XVII (3), (2003) 50-55.
25. Chun Ming Chan, Joel Fulton , Cristina Montiel-Duarte, Hilary M. Collins , Neetu Bharti, Frances R. Wadelin, Paula M. Moran, Nigel P. Mongan and David M. Heery (2013). A signature motif mediating selective interactions of BCL11A with the NR2E/F subfamily of orphan nuclear receptors. *Nucleic Acids Research Journal*, 2013, Vol. 41, No. 21 9663–9679.
26. Colloidal State, A K Bhagi , Junior Science Refresher XVII (1), (2002) 134-140.
27. Configuration and Fischer Projection , A K Bhagi, JSR Formulas XIX (8), (2004) 26-34.
28. Dharmendra Singh, P.V. Arya, A. Sharma, M.P. Dobhal and R.S. Gupta. Modulatory potential of α -amyrin against hepatic oxidative stress through antioxidant status in wistar albino rats. *Journal of Ethnopharmacology* (Netherlands), 2015; 161: 186-193. Impact Factor: 2.998; ISSN: 0378-8741.
29. Dharmendra Singh, P.V. Arya, Neetu Koolwal, Vikram Singh, Ranjana Saxena, M.C. Sharma and R.S. Gupta. Protective role of *Bacopa monniera* L. against hepatic oxidative stress in wistar albino rats. *Journal of Pharmacognosy and Phytochemistry* (India), 2015; 4(4): 233-241. E-ISSN: 2278-4136.
30. Dharmendra Singh, P.V. Arya, V.P. Aggarwal and R.S. Gupta. Evaluation of antioxidant and hepatoprotective activities of *Moringa oleifera* Lam. Leaves in carbon tetrachloride intoxicated rats. *Antioxidants* (Switzerland), 2014; 3: 569-591. ISSN: 2076-3921.
31. Dharmendra Singh, P.V. Arya, V.P. Aggarwal, A. Sharma, M.P. Dobhal and R.S. Gupta. Antioxidant potential of Plumieride against CCl₄ - induced peroxidative damage in rats. *Antioxidants* (Switzerland), 2014; 3: 798-813. ISSN: 2076-3921.
32. Dwivedi V., Kumari K., Gupta, S.K., Kumari R., Tripathi C., et. Al., (2015) *Thermus parvatiensis* RLT sp. nov., Isolated from a Hot Water Spring, Located Atop the Himalayan Ranges at Manikaran, India. *Indian journal of microbiology* <http://dx.doi.org/10.1007/s12088-015-0538-4>.
33. Dwivedi V., Lal R. (2011) Gut-Brain Communication is Influenced by Gut Microbes *Indian journal of microbiology*/ ISSN: 0046-8991/239.
34. Dwivedi, V., Niharika, N and Lal, R. 2012. *Pontibacter lucknowensis* isolated from hexachlorocyclohexane dump site. *Int J Syst Envol Microbiol.* 63: 309–313.

35. Dwivedi, V., Sangwan, N., Nigam, A., Garg, N., Niharika, N., Khurana, P., Khurana, J.P., and Lal, R. 2012. Draft genome sequence of *Thermus sp.* RL isolated from hot water spring located atop the Himalayan Ranges at Manikaran. *India. J. Bacteriol.* 194: 3534.
36. Electrochemistry, A K Bhagi, Junior Science Refresher XVI (9), (2001) 149-152.
37. Electrolytic Cells and Faraday's Laws, A.K Bhagi, Junior Science Refresher- XVII (1), (2003) 38-48.
38. Fozail Ahmad, Dharmendra Singh and P.V. Arya. A Combination Study in Some Members of Monocotylidae (Monogenea) in Molecular Phylogeny Employing 28SrRNA along with Geographical Distribution. *International Journal of Science and Research (India)*, 2015; 4(8): 1292-1299. E-ISSN: 2319-7064.
39. Fozail Ahmad, Dharmendra Singh and P.V. Arya. Comparative evaluation of speciation and zoogeographical distribution for *Lamellodiscus* (Monogenea: Diplectanidae) using 18S rRNA. *International Journal of Innovation Science and Research (India)*, 2015; 4(6): 235-241. ISSN: 2319-9369.
40. Fozail Ahmad, Dharmendra Singh and P.V. Arya. *In silico* phylogenetic studies on some members of parasitic genus Gyrodactylus (Monogenea: Gyrodactylidae) for assessment of evolutionary relatedness inferred from 28S ribosomal RNA and geomapping the sample. *International Journal of Recent Scientific Research (India)*, 2015; 6(7): 4970-4977. ISSN: 0976-3031.
41. Fozail Ahmad, Dharmendra Singh and P.V. Arya. *In silico* phylogenetic study of Dactylogyrus (Class: Monogenea) using 18S rRNA with a note on zoogeographical investigations on the genus. *International Journal of Biological and Biomedical Sciences (India)*, 2015; 4(8): 055-058. ISSN: 2319-9806.
42. Fozail Ahmad, Dharmendra Singh, P.V. Arya and H.S. Singh. *In silico* phylogenetic study on Ancyrocephalidae (Class: Monogenea) using 28S ribosomal RNA extending geo-mapping in search of evolutionary cues. *Biochemical and Cellular Archives (India)*, 2015; 15(2): 391-399. E-ISSN: 0976-1772.
43. Free-Radical Reactions of Alkanes and Alkenes, A K Bhagi, JSR XIX (7), (2004) 20-28.
44. General Characteristic of p-Block Elements, A K Bhagi, JSR XVII (11), (2002) 128-133.
45. General Characteristic of Transition Elements-II, A K Bhagi, JSR XVII (6), (2002) 149-154.
46. Goel, A.; S. Taneja; A.P. Singh; I.S. Bakshi; S.C Gupta; D. Bajaj; S.K. Richhariya; H. Sharma; R. Bhardwaj; K. Tripathi; L. Ojha; A. Drall; T. Datta; M. Swami & M. Kumar. 2015. DUIT: A Mobile App Developed Using Interdisciplinary Approach. *DU Journal of Undergraduate Research and Innovation; Vol.1; Issue-1; Feb.2015* ISSN 2395 - 2334
47. Hydrogen Peroxide, A K Bhagi, Junior Science Refresher XVII (10), (2003) 36-40.
48. Introduction to Organic Reaction Mechanism, A K Bhagi, Junior Science Refresher XVII (1), (2002) 20-26.
49. Isomerism, A K Bhagi, Junior Science Refresher XVI (4), (2001) 29-36.
50. Kumar R., Dwivedi V., Nayyar N., Verma H., Singh A.K., Rani P., Rao D.L.N., Lal R. (2014) *Parapedobacter indicus* sp. nov., isolated from Hexachlorocyclohexane (HCH) contaminated soil. *Int J Syst Envol Microbiol.* doi:10.1099/ijs.0.069104-0.
51. Kumar R., Dwivedi V., Negi V. (2013) Draft Genome Sequence of *Sphingobium lactosutens* Strain DS20T, Isolated from a Hexachlorocyclohexane Dumpsite. *Genome Announcements/ISSN 2169-8287/e00753-13.*
52. Kumar, P., A. Kumar, U. Sharma, Dharmendra Singh, M.P. Dobhal and Sarman Singh. Anti-mycobacterial activity of plumericin and isoplumericin against MDR *Mycobacterium tuberculosis*. *Pulmonary Pharmacology and Therapeutics (Italy)*, 2013; 26(3): 332-335. Impact Factor: 2.937; ISSN: 1094-5539.
53. Liquid State, A K Bhagi, Junior Science Refresher XVII (11), (2002) 42-51.
54. Metallurgy of Some Important Metals, A K Bhagi, Junior Science Refresher XIX (2), (2004) 47-51.
55. Metallurgy, A K Bhagi, Junior Science Refresher XIX (1), (2004) 30-35.
56. Nain, A.K. and M. Lather. Solute-solute and solute-solvent interactions of *l*-histidine and *l*-arginine in aqueous-streptomycin sulphate solutions at different temperatures: A physicochemical study. *J. Mol. Liq.*, 211, 178-186 (2015).

57. Nain, A.K. and M. Lather. Study of solute-solute and solute-solvent interactions of *l*-serine in *d*-xylose/*l*-arabinose + water solutions using volumetric, ultrasonic and viscometric methods. *Phys. Chem. Liq.*, 53, 599-618 (2015).
58. Nain, A.K. and P. Droliya. Internal Pressure, free volume and excess thermodynamic properties of methyl acrylate + 1-alkanols (C₄-C₁₀) binary mixtures from ultrasonic speed and density data by using regular solution theory and theoretical estimation of ultrasonic speed by using scaled particle theory, *Indian J. Chem. A*, 55, 23-33 (2016).
59. Nain, A.K. and R. Pal. Study of solute-solute and solute-solvent interactions of *l*-threonine in aqueous-glucose solutions at different temperatures by using volumetric and viscometric methods. *J. Chem. Thermodyn.*, 60, 98-104 (2013).
60. Nain, A.K. and R. Sharma. Densities and volumetric properties of binary mixtures of N,N-dimethylformamide/N,N-dimethylacetamide with some alkyl acrylates at temperatures from 288.15 to 318.15 K. *J. Chem. Thermodyn.*, 58, 36-45 (2013).
61. Nain, A.K. Densities and volumetric properties of butyl acrylate + 1-butanol, or + 2-butanol, or + 2-methyl-1-propanol, or + 2-methyl-2-propanol binary mixtures at temperatures from 288.15 to 318.15 K. *J. Solution Chem.*, 42, 1404-1422 (2013).
62. Nain, A.K. Densities, ultrasonic speeds, viscosities and excess properties of binary mixtures of methyl methacrylate with N,N-dimethylformamide and N,N-dimethylacetamide at temperatures from 288.15 to 318.15 K. *J. Chem. Thermodyn.*, 60, 105-116 (2013).
63. Nain, A.K. Ultrasonic study of molecular interactions in binary mixtures of methyl acrylate with 1-alkanols (C₄-C₁₀) at temperatures from 288.15 to 318.15 K. *J. Chem. Thermodyn.*, 59, 49-64 (2013).
64. Nain, A.K.; M. Lather and Neetu. Probing solute-solute and solute-solvent interactions in *l*-arginine + *d*-xylose/*l*-arabinose + water solutions at different temperatures by using volumetric and viscometric methods. *J. Chem. Thermodyn.*, 63, 67-73 (2013).
65. Nain, A.K.; M. Lather and R.K. Sharma. Study of solute-solute and solute-solvent interactions of *l*-methionine in aqueous-sucrose solutions at different temperatures. *J. Chem. Thermodyn.*, 58, 101-109 (2013).
66. Nain, A.K.; P. Droliya, J. Yadav and A. Agarwal. Physicochemical study of solute-solute and solute-solvent interactions of *l*-asparagine and *l*-glutamine in aqueous-*d*-mannose solutions at temperatures from 293.15 to 318.15 K. *J. Chem. Thermodyn.*, 95, 202-215 (2016).
67. Nain, A.K.; P. Droliya, R.K. Manchanda, A. Khurana and D. Nayak. Physicochemical studies of extremely diluted solutions (homoeopathic formulations) of sulphur in ethanol by using volumetric, acoustic, viscometric and refractive index measurements at different temperatures. *J. Mol. Liq.*, 211, 1082-1094 (2015).
68. Nain, A.K.; R. Pal and Neetu. Physicochemical study of solute-solute and solute-solvent interactions of *l*-phenylalanine in water + arabinose/glucose/sucrose solutions at different temperatures. *J. Chem. Thermodyn.*, 68, 169-182 (2014).
69. Nain, A.K.; R. Pal and Neetu. Volumetric, ultrasonic and viscometric studies of solute-solute and solute-solvent interactions of *l*-threonine in aqueous-sucrose solutions at different temperatures. *J. Chem. Thermodyn.*, 64, 172-181 (2013).
70. Nain, A.K.; R. Pal and P. Droliya. Study of solute-solute and solute-solvent interactions of homologous series of some α -amino acids in aqueous-streptomycin sulphate solutions at different temperatures by using physicochemical methods. *J. Chem. Thermodyn.*, 95, 77-98 (2016).
71. Nain, A.K.; S. Ansari and A. Ali, Densities, refractive indices, ultrasonic speeds and excess properties of acetonitrile + poly(ethylene glycol) binary mixtures at temperatures from 298.15 to 313.15 K. *J. Solution Chem.*, 43, 1032-1054 (2014).
72. Nitro Compounds, A K Bhagi, Junior Science Refresher XVI (8), (2001) 39-44.
73. Nuclear Chemistry and Radioactivity, A K Bhagi, Junior Science Refresher XVI (2), (2001) 26-32.
74. Numerical Problems Based upon Organic Chemistry, A K Bhagi, Junior Science Refresher XVII (4), (2002) 35-42.
75. Organic Molecular Rearrangement, A K Bhagi, Junior Science Refresher XVII (11), (2002) 30-36.
76. Organic Redox Reactions, A K Bhagi, Junior Science Refresher XVII (9), (2002) 32-42.

77. Pandey, P.K. A new computational Algorithm for the Solution of Second Order Initial Value Problems in Ordinary Differential Equations” (accept. in asia pacific journal of mathematics - 2014).
78. Pandey, P.K. Numerical Solution of Linear Fredholm Integro-Differential Equations by Method of Non-standard Finite Difference Method. AAM- An International Journal, Vol. 10, issue 2, 1019-1026 (2015).
79. Pandey, P.K. A finite difference method for numerical solution of Goursat problem of partial differential equation. *Open Access Library Journal*, 9, pp.1- 6 (2014), e537. doi: <http://dx.doi.org/10.4236/oalib.1100537>.
80. Pandey, P.K. A Fourth Order Accurate Finite Difference Method for the Second Biharmonic Equations”. *J. Adv. Res. Sci. Comput.* Vol.4, no.3, pp. 35-48 (2012). Pandey, P.K. A higher order finite difference method for general Sixth Order Boundary Value Problems”. *Intern. J. of Pure and Applied Mathematics*, Vol. 76, No.3, pp.317-326 (2012).
81. Pandey, P.K. A fourth order finite difference method for numerical solution of the Goursat Problem”. *Acta Technica Jaurinensis* , Vol. 7, No. 3, 319-327 (2014).
82. Pandey, P.K. A Higher Accuracy Exponential Method for the Numerical Solution of Second Order Elliptic Partial Differential Equations”. *Journal of Mathematical and Computational Science* Vol. 3. No.5, pp.1325-1334(2013).
83. Pandey, P.K. A method for Numerical Solution of Two Point Boundary Value Problems with Mixed Boundary Conditions”. *Open Access Library Journal*, 9, pp. 1-7 (2014), e565. doi: <http://dx.doi.org/10.4236/oalib.1100565>.
84. Pandey, P.K. A new finite difference method of high order accuracy for the solution of two-point boundary value problems”. *Acta Technica Jaurinensis* , Vol. 7, No. 2 106-113 (2014).
85. Pandey, P.K. A non-classical finite difference method for solving two point boundary value problems”. *Pacific Journal of Science and technology*. 14(2):147-152 (2013).
86. Pandey, P.K. A nonstandard variable step length method for the solution of first order initial value problems in ODEs”. *Neural Parallel and Scientific Computations* 22, 239-248 (2014).
87. Pandey, P.K. A Rational finite Difference approximation of High Order Accuracy for Nonlinear Two Point Boundary Value Problems”. *Sains Malaysiana* Vol. 43, No. 7, 1105-1108 (2014).
88. Pandey, P.K. Accurate Variable Step Exponential Finite Difference Method for Numerical Solution of Two Point Boundary Value Problems”. *Neural Parallel and Scientific Computations* 22, 547-562 (2014).
89. Pandey, P.K. An Algorithm of Order Six for Numerical Solution of General Two-Point Boundary Value Problems”. *Journal of Science and Arts* 14, No. 3(28), pp. 229-236 (2014).
90. Pandey, P.K. An Implicit Rational Method for Solution of Second Order Initial Value Problems in Ordinary differential Equation”. *International Journal of Computer Applications*, November 57(2), 30-33 (2012).
91. Pandey, P.K. Explicit method in solving ordinary differential equations of the second order”. *Intern. J. of Pure and Applied Mathematics*, Vol. 76, No.2, pp.233-239 (2012).
92. Pandey, P.K. Fourth Order Finite Difference Method for Sixth Order Boundary Value Problems”. *Computational Mathematics and Mathematical Physics* Vol.53, no. 1, pp.57-62 (2013).
93. Pandey, P.K. Geometric Mesh Exponential Finite Difference Method for the Numerical Solutions of Non-linear General Two Point Boundary Value Problems. *Neural Parallel and Scientific Computations* 23, 153-168 (2015).
94. Pandey, P.K. Non-standard Difference Method for Numerical Solution of Linear Fredholm Integro- Differential Type Two Point Boundary Value Problems”. *Open Access Library Journal*, 2 , pp. 1-10 (2015), e1465. doi: <http://dx.doi.org/10.4236/oalib.1101465>.

95. Pandey, P.K. Non-standard Finite Difference Method for Numerical Solution of Second Order Linear Fredholm Integro-Differential Equations. *International Journal of Mathematical Modelling & Computations* Vol. 5, No. 3, pp. 259-66 (2015).
96. Pandey, P.K. Nonlinear Explicit Method for First Order Initial Value Problems". *Acta Technica Jaurinensis*, Vol. 6 , No. 2, 118-125 (2013).
97. Pandey, P.K. Numerical Solution of Linear Fredholm Integro-Differential Equations by Method of Non-standard Finite Difference Method. *AAM- An International Journal*, Vol. 10, issue 2, 1019-1026 (2015).
98. Pandey, P.K. Solving nonlinear two point boundary value problems using exponential finite difference method. *Bol. Soc. Paran. Mat.* Vol 34, No 1, 33-44 (2016).
99. Pandey, P.K. Solving system of second order boundary value problems by Numerov type method. *Journal of Science and Arts* 15, No. 2(31), pp. 143-150 (2015).
100. Pandey, P.K. Solving Two Point Boundary Value Problems for Ordinary Differential equations by a New Approach: Exponential Finite Difference Method". *Bol. Soc. Paran Mat.* Vol 34, No 1, 45-52 (2016).
101. Pandey, P.K. Variable Mesh Size Exponential Finite Difference Method for Numerical Solution of Two Point Boundary Value Problems". *Bol. Soc. Paran Mat.* Vol 34, No 2, 9-27(2016).
102. Pandey, P.K.; A. Awasthi, Nain, A.K. and A. Awasthi. Study of intermolecular interactions in binary mixtures of 2-(dimethylamino)ethanol with methanol and ethanol at various temperatures. *Thermochim. Acta*, 586, 58-65 (2014).
103. Periodicity of Elements, A K Bhagi, Junior Science Refresher XVI (9), (2001) 37-41.
104. Polymers, A K Bhagi, Junior Science Refresher XVII (12), (2003) 78-86.
105. Qualitative Inorganic Analysis, A K Bhagi, Junior Science Refresher XVI (10), (2001) 129-136.
106. Reaction mechanism in organism chemistry, Junior science refresher, published by Bright Group of Publications, New Delhi (2015), Amit Kumar (A100002170).
107. Resonance, A K Bhagi, Junior Science Refresher Formulas XX (1), (2004) 38-46.
108. Resonance, A K Bhagi, Junior Science Refresher Formulas XX (1), (2004) 38-46.
109. Sangwan, N., Lata, P., Dwivedi, V., Singh, A., Niharika, N., Kaur, J., Anand, S., Malhotra, J., Jindal, S., Nigam, A., Lal, D., Dua, A., Saxena, A., Garg, N., Verma, M., Kaur, J., Mukherjee, U., Gilbert, J.A., Dowd, S.E., Raman, R., Khurana, P., Khurana, J.P., and Lal, R. 2012. Comparative Metagenomic analysis of soil microbial communities across three Hexachlorocyclohexane contamination levels. *PLoS One*. 7: e46219.
110. Singh, A.P. *Boundedness of Hardy-Steklov operator on weighted Lorentz Spaces $\Lambda_u^p(w)$* . *International Journal of Mathematics Research*, ISSN: 0976-5840.
111. Singh, A.P. *Hardy-Steklov operator on two exponent Lorentz spaces for non-decreasing functions*. *IOSR Journal of Mathematics*, ISSN: 2278-5728 (online); ISSN: 2319-765X (print).
112. Singh, A.P.; Jain. P. & M. Singh. *Weighted norm inequalities for the Hardy type operators on monotone functions*. *Contemporary Mathematics* (© American Mathematical Society), ISSN: 1098-3627 (online); ISSN: 0271-4132 (print).
113. Structure of Atoms-I, A K Bhagi, Junior Science Refresher XV (10), (2000) 26-29.
114. Structure of Atoms-II, A K Bhagi , Junior Science Refresher XV (11), (2000) 29-34.
115. Thermochemistry, A K Bhagi, Junior Science Refresher XVII (3), (2002) 49-54.
116. Verma H., Rani, P, Singh A.K, Kumar R., Dwivedi V., (2015) *Sphingopyxis flava* sp. nov., isolated from an hexachlorocyclohexane contaminated soil, India. *Int J Syst Evol Microbiol.doi.org/10.1099/ijsem.0.000482*.

List of Books/Chapters published by faculty members in recent past

117. Chapters in India dalit literature course IGONOU , NEW DELHI. [Dr. Menka Srivastav]
118. A K. Bhagi and G. R. Chatwal, *Bio-Inorganic and Superamolecular Chemistry*, Himalyan Publishing House, Mumbai, India, First Edition-1998, Second Ed.-2000, Revised and Enlarged Edition-2003, 2008. ISBN:9789350247341.

119. A. K. Bhagi and G. R. Chatwal, *IAS Chemistry*, Krishna Prakshan, Meerut, India. ISBN:9788187224709.
120. A. K. Bhagi and G. R. Chatwal, *Bio-Inorganic Chemistry*, Himalyan Publishing House, Mumbai India, First Edition-1998, Second Ed.-2000, Revised and Enlarged Edition-2003, 2008. This book has been enlisted among / adopted (w. e. f. June 2007) as one of the reference readings for the paper CHI-313(Bio-inorganic and Supramolecular Chemistry) / M.Sc. Degree Programme Semester-III Inorganic Chemistry of the Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. ISBN: 8174935711.
121. A. K. Bhagi and G. R. Chatwal, *Environmental Chemistry*, Himalyan Publishing House, Mumbai, India, First Edition-2003. This book has been enlisted among/adopted as one of the suggested readings for the paper EVS-611(Environmental Chemistry) / Semester-VI of the B.Sc. Three Year Honors Degree Programme in Environmental Science, North-Eastern Hill University, Shillong-793022.ISBN:8178666499.
122. A. K. Bhagi and G. R. Chatwal, *Dictionary of Chemistry*, Himalyan Publishing House, Mumbai, India. ISBN: 978-9350242063.
123. A. K. Bhagi, and S.C.Datta, *College Chemistry Vol I*, Ane Books, New Delhi, India. ISBN: [9789382127895](#).
124. A. K. Bhagi, Namita K. Johar and S.C.Datta, *Undergraduate Chemistry vol IV*, Ane Books, New Delhi, India. ISBN: 9789381162613
125. A. K. Bhagi, Namita K. Johar and S.C.Datta, *Undergraduate Chemistry, Vol VI* Ane Books, New Delhi, India. ISBN: [9789382127468](#).
126. A. K. Bhagi, Namita K. Johar and S.C.Datta, *Undergraduate Chemistry vol V*, Ane Books, New Delhi, India. ISBN: 9789382127062
127. Acharya Ram Chandra Shukla ke Itihas ki Rachna Prakriya/Lokbharti Prakashan, Allahbad, 1996 [Samiksha Thakur]
128. Acharya Ram Chandra Shukla ke Samiksha Siddhant aur Gita Rahasya/Rajkamal Prakashan, New Delhi 1993[Samiksha Thakur]
129. Ajay Bhagi, Vinod. K. Jain and Gurdeep Raj, *Group Theory and Symmetry in Chemistry*, Krishna Prakshan, Meerut, India, First Edition 1998, Second revised edition-2003. ISBN: 9788182835214
130. A.K. Bhagi and G.R. Chatwal, *A text Book of Inorganic Polymers*, Himalyan Publishing House, Mumbai, India, First Edition-2001. ISBN: 8178662086, 9788178662084.
131. Anand, S., Malhotra, J., Niharika, N, Lal, D, Jindal, S., Kaur, J, Nigam, A, Garg, N., Lata, P., Kaur, J,Sangwan,N., Singh, A.K, Dua, A., Saxena, A., Dwivedi, V., Mukherjee, U and Lal, R. 2013. Bioremediation of Hexachlorocyclohexane(HCH) Pollution at HCH Dump Sites in book entitled Knowledge Systems of Societies for Adaptation and Migration of Impacts of Climate Change. doi: 10.1007/978-3-642-36143-2_23.
132. Ath' Swapan Publication, Delhi, 2009, LITERARY CRITIC ATH 978 81 90764469 [Dr. Gyanendra Kumar]
133. Baat Baat Mein Baat/ Vani Prakashan, New Delhi-2206-ISBN-81-8143-5842. [Dr. Samiksha Thakur]
134. Bhagi, A.K., Navneet Manav and Amit Kumar. Pollution concerns of effluents in chemistry laboratory wastes, Environment and Chemistry, published by Campus Book, New Delhi (2015), (9788180304323)
135. Bhaktikal : Namkaran sambandhi vivad, Shodh aur aalochna : hamare samay ka sach, Editor Kavita Nandan Surya, 2013, K. S. Publishers N. Delhi. [Dr. Abhay kumar]
136. Bhaktikal ki Prishthbhumi, IGNOU, M.A. Course Booklet . [Dr. Rajeev Kumar Kunwar]
137. Books with ISBN/ISSN numbers with details of publishers : [Dr. Prem Tiwari]
138. Chandrakala. Samajik dwandw ki abhivyakti aur sathottar natak, ISBN 978817408394-4, ayan prakashan, Delhi.
139. Chapter published in "Environment and Chemistry" ISBN 978-81-8030-432-3 published by Campus Book International, New Delhi.
140. Co-authored the book entitled "Chemistry Learners Glossary" published by Commission for Scientific and Technical Terminology MHRD Govt. of India, New Delhi, (2010) Amit Kumar (9789350071472)
141. Co-authored the book entitled "Exemplar Problems in Chemistry XII" published byNCERT, Delhi. (2011), Amit Kumar (1-128 HRD/ ND/ 2010).
142. Co-Editor of Six B.A. Programme Books, Delhi University, Rajkamal prakashan, New Delhi [Dr. Rajeev Kumar Kunwar]
143. Dalit Bachpan Vedna Ka Visfot, Editor Nitin Gayakwad, 2013, swaraj prakashan. ISMN 978-93-881582-86-2. [Dr. Rajesh Kumar Rao]
144. Dalit Jiivan: Sangharsh aur Swapn, Editor Nitin Gayakwad, 2013, Aman Prakashan. ISMN 978-93-82432-89-0. [Dr. Rajesh Kumar Rao]
145. Dalit Sahity : Mulyankan, Editor Dr. Vijaypal, Shri Natraj Prakashan, Delhi, 2014, ISBN 978-93-81350-52-2. [Dr. Rajesh Kumar Rao]
146. Dalit Sahity ka Samajshastr, Shri Natraj Prakashan, Delhi [Dr. Vijay Pal]
147. Dalit Sahity- Mulyankan, Shri Natraj Prakashan, Delhi [Dr. Vijay Pal]

148. Dinkar aur sudh kavita ki khoj ,Shivalik Prakashan Delhi-2015,ISBN978-93-85144-00 [Dr.Jaipal Singh]
149. Editing Hindi Translation, Novel 'wapas rekhyon ko' – Juanbenet Juan, [Dr. Rajeev Kumar Kunwar]
150. Emerging Developments in Plastic optical fibers, pg213. Published in a book, Frontiers in Polymer Research edited by Paras N.Prasad & J.K.Nigam, plenum publishing Press, New York, 1992, Publisher: Springer Date published: 2012 ISBN-13:[9781461367215](#) ISBN: [1461367212](#). (Amita Malik, Dr. G.L.Bhalla, Dr. J.K.Nigam)
151. Environment and Chemistry, Campus Books International, New Delhi, ISBN : 2015978-81-8030-432-3, Dr. Vandana
152. Gavan, IGNOU, M.A. Course Booklet [Dr. Rajeev Kumar Kunwar]
153. Goel, Anita. Basic Computation and Principles of Computer Programming (West Bengal echnical University). Pearson Education/New Delhi/India. ISBN: 978-81-317-5963-9.
154. Goel, Anita. Basic Computer Engineering (Rajiv Gandhi Proudhyogiki Vishwavidyala). Pearson Education/New Delhi/India. ISBN: 978-81-317-6526-5
155. Goel, Anita. C Programming and Numerical Analysis (Acharya Nagarjuna University, Andhra Pradesh). Pearson Education/New Delhi/India. ISBN: 978-81-317-7026-9.
156. Goel, Anita. Computer Concepts and Programming in C (GautamBudh Technical University (GBTU)). Pearson Education/New Delhi/India. ISBN: 978-81-317-6713-9
157. Goel, Anita. Computer Fundamentals and Programming in C. Pearson Education/New Delhi/India. ISBN:978-93-325-1934-3.
158. Goel, Anita. Computer Fundamentals. Pearson Education/Delhi/India. ISBN 978-81-317-3309-7
159. Goel, Anita. Computer Programming (SantGadge Baba Amravati University, Maharashtra). Pearson Education/New Delhi/India. ISBN: 978-81-317-6589-0
160. Goel, Anita. Computer Programming-I, University of Mumbai. Pearson Education/New Delhi/India. ISBN: 978-81-317-6615-6.
161. Goel, Anita. Computer Programming, JNTU Hyderabad. Pearson Education/New Delhi/India. ISBN: 978-93-325-2160-5.
162. Goel, Anita. Computer Programming, JNTU Kakinada. Pearson Education/New Delhi/India. ISBN: 978-93-325-2161-2.
163. Goel, Anita. e-world Computers: Basics and Applications, ICSE Edition Book 6. Pearson Education/Delhi/India. ISBN 978-81-317-6537-1
164. Goel, Anita. e-world Computers: Basics and Applications, ICSE Edition Book 7. Pearson Education/Delhi/India. ISBN 978-81-317-6538-8
165. Goel, Anita. e-world Computers: Basics and Applications, ICSE Edition Book 8. Pearson Education/Delhi/India. ISBN 978-81-317-6539-5
166. Goel, Anita. Fundamentals of Computer and Programming (Uttarakhand Technical University (UTU)). Pearson Education/New Delhi/India. ISBN: 978-81-317-6618-7
167. Gramin aur dalit chetna ke anuthe kavi Dinkar, Samar shesh hai : mahatw raamdhari singh dinkar, Editor Pranjaldhar/Kumar Anupam, 2012. [Dr.Jaipal Singh]
168. Gyanendra Kumar, Gyannendra. 'Ath' Swapn Publication, Delhi, 2009, LITERARY CRITIC ATH 978 81 90764469.
169. HIMTARANGINI ; APNE SAMAY KA SWAR , AAKHAR PRAKASHAN ,NEW DELHI ISBN- 8192210847 [Dr. Menka Shrivastav]
170. Hindi katha sahity: Path ke vividh aayam, swaraj prakashan, New Delhi, 2013, 978-93-81582-58-8[Dr. Rajesh Kumar Rao]
171. Hindi Kaya men Ganga, ISBN 978-93-83282-25-8/2013 M.R. PUBLICATION NEW DELHI. [Dr. Rajesh Kumar Pandey]
172. Kalo n yaato vaimev yatah : pashimi aadhunikta aur anya, Editor Prof. Rajkumar, Vishwvidyalay Prakashan Varanasi. [Dr. Abhay kumar]
173. Kehna Na Hoga/Vani Prakashan, New Delhi,1994 ISBN-81-7055-312-1. [Dr. Samiksha Thakur]
174. Kumar, Jainendra. Nagarjun Ki Vaichariki Aur Kavita { Aam Aadmi Ke Sandarb Mein} - ISBN 978-81-929510-3-4, 2015, Reading Rooms Publication, Delhi.
175. Kumar, Amit and A.K. Bhagi . Antioxidant Chemistry in Human health, International Journal of Therapeutic Applications, Accepted, (2015). (ISSN: 2320-138X).
176. KUSHAL MALI : NATIONAL BOOK TRUST ,NEW DELHI ISBN - 8123746121[Dr. Menka Shrivastav]
177. Madhulika. Madhvi' mein stri vimarsh, Penci Prakashan, 2013, ISBN 978-93-82996-13-2.
178. Madhvi' mein stri vimarsh, Penci Prakashan, 2013, ISBN 978-93-82996-13-2[Dr. Madhulika]
179. Mahakavi Arun aur rashtrbhasha hindi, Mahakavyapran padmshree poddar ramavtaar Arun, Editor Dr. Diwakar, 2001, Chaitanyam/Deepak Prakashan, Bihar[Dr. Abhay kumar]

180. Manaras mritunagar ki Pauraniki/ dewane saray, Shahar Nama/ Editor Ravikant & Sanjay Sharma [Dr. Prem Tiwari]
181. Manav, N., Amit Kumar and A K Bhagi. Nanocomposite based Non Enzymatic Glucose Bio-sensors, Nano product Review, Accepted, (2015). (ISSN: 2052-5664.
182. Midiya men daliton pichdon ki sthiti/Editor- Hansraj Suman. [Dr. Kedar Mandal]
183. Nagarjun Ki Vaichariki Aur Kavita { Aam Aadmi Ke Sandarbh Mein} - ISBN 978-81-929510-3-4, 2015, Reading Rooms Publication, Delhi. [Dr. Jainendra Kumar]
184. Navgagan srijansilta aur dinkar ka alochana sahitya, Shivalik Prakashan, Delhi, 2015 ISBN 978-93-85144-02-8 [Dr. Jaipal Singh]
185. P.N. Kapoor, A. K. Bhagi, R. S. Mulukutla and K. J. Klaubande, *Mixed metal oxide nanoparticles*, Marcel Dekker's Encyclopedia of Nanoscience and Nanotechnology, (2004), 2007-2018.
186. Pandey, Rajesh Kumar. Hindi Kaya men Ganga, ISBN 978-93-83282-25-8/2013 M.R. PUBLICATION NEW DELHI.
187. Pandey, Rajesh Kumar. Swatantrata Purw ki Hindi Patrkari, ISBN 978-93-83282-24-A /2013 M.R. PUBLICATION NEW DELHI.
188. Path aur Pathykrām/'pathykrām ek nranter prakriya hai'/Ed- Om Prakash Singh and Shitanshu / Prakashan Sansthan, New Delhi 2015 ISBN 978-81-7714-501-4. [Dr. Samiksha Thakur]
189. Pollution concerns of effluents in chemistry laboratory wastes, Environment and Chemistry, published by Campus Book, New Delhi (2015), A K Bhagi, Navneet Manav and Amit Kumar (9788180304323)
190. Practical Chemistry for Undergraduates bearing ISBN: 978-93-8212-790-1, Amita Dua and Navneet Manav.
191. Practical Organic Chemistry (Qualitative Organic Analysis): Published, and Books India, New Delhi (2008), Dr. Aruna Chhikara
192. Prakhyaat Sahityakar: janmashati sandarbh/Ed-Sunil Kumar ISBN 978-93-83629/ Tarun Prakashan, ghaziabad (U.P.) 2015. [Dr. Samiksha Thakur]
193. Prawasi hindi sahity: dasa aur disha/8th vishw hindi sammelan-aalekh aur prativedan/Editor Pro. G. Gopinath [Dr. Kedar Mandal]
194. Premchand ke natak: ek sanskritik vimarsh, Sangharsh prakashan, Delhi [Dr. Vijay Pal]
195. Quantum Chemistry: Classical to Computational bearing ISBN: 9788192959825, Amita Dua and Chayanika Singh
196. Rao, Rajesh Kumar. Hindi katha sahity: Path ke vividh aayam, swaraj prakashan, New Delhi, 2013, 978-93-81582-58-8.
197. Rao, Rajesh Kumar. Dalit Bachpan Vedna Ka Visfot, Editor Nitin Gayakwad, 2013, swaraj prakashan. ISMN 978-93-881582-86-2
198. Rao, Rajesh Kumar. Dalit Jiivan: Sangharsh aur Swapn, Editor Nitin Gayakwad, 2013, Aman Prakashan. ISMN 978-93-82432-89-0
199. Rao, Rajesh Kumar. Dalit Sahity : Mulyankan, Editor Dr. Vijaypal, Shri Natraj Prakashan, Delhi, 2014, ISBN 978-93-81350-52-2.
200. Sahitya me swayattata banam pratibadhta, Suhagwati Prakashan, Begusarai-2003 [Dr. Abhay Kumar]
201. Samajik dwandw ki abhivyakti aur sathottar natak, ISBN 978817408394-4, ayan prakashan, Delhi. [Dr. Chandrakala]
202. SAPTKIYA KAVITAIYEN ; PRAGTI AUR PRAYOG AAKHAR PRAKASHAN ,N .DELH ISBN- 8192210855 [Dr. Menka Shrivastav]
203. Sharma, Shilpi, Amita Dua and Amita Malik. Polyaspartic acid based superabsorbent polymer- a review, European Polymer Journal, 59(2014), 363-376 (ISSN No: 0014-3057).
204. Sharma, Shilpi, Amita Dua and Amita Malik. Third generation superabsorbent materials for wound dressings, International Journal of Pharmaceutical Science and Research (IJPSR) 2014; Vol. 5(6) 1000-1011 (ISSN No: 0975-7538)
205. Shrivastav, Menka. HIMTARANGINI ; APNE SAMAY KA SWAR , AAKHAR PRAKASHAN ,NEW DELHI ISBN- 8192210847.
206. Shrivastav, Menka. KUSHAL MALI : NATIONAL BOOK TRUST ,NEW DELHI ISBN - 8123746121.
207. Shrivastav, Menka. SAPTKIYA KAVITAIYEN ; PRAGTI AUR PRAYOG AAKHAR PRAKASHAN ,N .DELH ISBN- 8192210855.
208. Singh, Jaipal. Dinkar aur sudh kavita ki khoj ,Shivalik Prakashan Delhi-2015, ISBN 978-93-85144-00.
209. Singh, Jaipal. Navgagan srijansilta aur dinkar ka alochana sahitya, Shivalik Prakashan, Delhi, 2015 ISBN 978-93-85144-02-8.
210. Surendra Varma ke natakon men aadhunikta bodh, Bhavna Prakashan, Delhi [Dr. Vijay Pal]
211. Swatantrata Purw ki Hindi Patrkari, ISBN 978-93-83282-24-A /2013 M.R. PUBLICATION NEW DELHI [Dr. Rajesh Kumar Pandey]

212. Thakur, Samiksha. Alochana-51 october/Hindi Sahitya mein Lok ki Avdharna /ISSN: 2231-6329
Alochana Peer reviewed journal
213. Thakur, Samiksha. Path aur Pathykrām/'pathyakram ek nrantar prakriya hai'/Ed- Om Prakash Singh and Shitanshu / Prakashan Sansthan, New Delhi2015 ISBN 978-81-7714-501-4
214. Thakur, Samiksha. Prakhyat Sahityakar: janmashati sandarbh/Ed-Sunil Kumar ISBN:978-93-83629/ Tarun Prakashan, ghaziabad(U.P.) 2015
215. Thakur, Samiksha. Baat Baat Mein Baat/ Vani Prakashan, New Delhi-2206-ISBN-81-8143-5842.
216. Thakur, Samiksha. Kehna Na Hoga/Vani Prakashan, Delhi,1994 ISBN-81-7055-312-1.
217. Unko Pranam, path vishleshan/NIOS, Secondary level/ Hindi Pathy Pustak . [Dr. Prem Tiwari]
218. Uttar Madhykalin Kavita/ K. L. Pahauri Prakashan[Dr. Prem Tiwari]

3.4.2. Does the Institute publish or partner in publication of research journal(s)? if 'yes' indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

The college does not publish or partner in publication of research journals. Though, several faculty members are in the editorial board of some of the .

3.4.3. Give details of publications by the faculty and students:

Department	Publication Per faculty	No. of papers published by faculty in peer reviewed journals	Chapters in Books	Books Authored
Bengali	5.00	5	2	-
Botany	4.92	64	9	2
Chemistry	10.45	209	4	17
Commerce	3.06	107	7	4
Computer Sci.	12.25	49	6	15
Economics	1.53	26	28	4
English	1.81	38	-	1
Geography	2.18	35	20	5
Hindi	14.27	257	17	18
History	6.23	81	17	43
Mathematics	3.75	75	-	-
Philosophy	5.00	10	-	-
Physics	9.31	205	-	-
Political Sci.	3.625	58	17	5
Punjabi	13.00	26	3	3
Sanskrit	6.00	6	4	4
Urdu	9.00	9	-	1
Zoology	8.00	104	23	2

Several faculty members have contributed in creating e-content in their disciplines.

SNIP : 8.893
 SJR : 6.302
 Citation Index : 4131
 h-index : 103

3.4.4. Provide details (if any) of

- **research awards received by the faculty**
- **recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally**
- **incentives given to faculty for receiving state, national and international recognitions for research contributions.**

Depart-ment	Awardee Name	Period	Award /Recognition Details
Botany	Dr. P. Mehta	1982	CSIR-NET fellowship
	Dr. P.Chitralkha		Distinguished teacher award by Delhi University.
	Dr. Anita Rani	2001	Received UGC-CSIR (NET) JRF & SRF
		2008	Young Scientist medal for paper presentation in National Seminar on Physiological and Biotechnological Approaches to Improve Plant productivity.
	Dr. Nellie	2009	Awarded the “Prof. N.S. Rangaswamy Medal-2009” for the Best Thesis in Botany on the thesis entitled, “Studies on Microbial Antagonism: Application of Soil Bacteria Showing Bio-control Potential Against Fusarium spp.”
		2005	Awarded the “Jwala Prasad Award” for the Best Speaker at In: International Symposium on Integrated Management of Fungal Diseases (IMF): Technology, Development and Application
		2010	Awarded the 2 nd best poster award at the National Symposium on Biodiversity, Biotechnology and Man: Interdependence and Future Challenges
	Dr. Prashant Pant	2004	Received UGC-CSIR (NET) JRF & SRF
	Dr. A.K. Maurya	2002	Received UGC-CSIR (NET) JRF & SRF
2000		National Scholarship (M. Sc).	
Chemistry	Dr. Amit Kumar	2005	Best Research paper (Oral Presentation) award in National Conference on “Modern Trends in Chemical Science and Technology” held on 15 th –17 th October 2005 in Jalandhar, India.
	Dr. A. Chikkara & Dr. Amita Malik	2015	Best Poster award At RACES 2015, at MM Modi College, Patiala
		2014	Best poster award at National Conference, Ramjas College Relevance of Medicinal Plants in 21 st Century
	Dr. Navneet Manav	2013	Best poster award at National Conference organized in Dyal Singh College
	Dr. Amit Kumar	2013	Best poster award at National Conference at DDU
	Dr. Amita Malik	2015	Best poster award at HIM Congress
	Dr. Amita Malik	2005	Best technology award By INSME 2005-International award
	Dr. Amita Malik	2006	Best technology award–RN. Bangur Memorial Award

Commerce	Dr. G.L. Kotwani	2006	Post-Doctoral visiting faculty in HASS School of business, Berkley, USA
		2012	Chaired, Marketing science conference, 2012, BOSTON, USA at BOSTON University
	Dr. M. Sherawat	1996-98	Post Graduate Scholarship From DU
	Dr Pankaj Jain	2004-2006	Gold medalist in M.A (Eco) from CCS university
Computer Science	Dr. Anita Goel	2015	Teacher Excellence Award for Innovation, University of Delhi, 93 rd Foundation Day, Development of e-Device Application for Students and Behavior Analysis
		2015	Best Innovative Idea, Antardhwani, University of Delhi, Innovation project DSC-204 Development of e-Device Application for Students and Behavior Analysis
		2015	Best Display Award, Antardhwani, University of Delhi, Innovation project DSC-204 Development of e-Device Application for Students and Behavior Analysis
		2015	Recognition of 25 years of service in Dyal Singh College, University of Delhi
		2015	International Paper Presentation at The 2015 International Conference on High Performance Computing & Simulation (HPCS), Amsterdam, Netherlands
		2015, 2013, 2008-2010	Visiting Faculty, Delhi Technological University (Earlier DCE), Bawana, for Teaching Post graduate courses – Mtech (Software Engineering)
		2012	Adjunct Faculty, NIIT University, Neemrana, for Teaching Post graduate courses – MCA
		2010-2011	Fellow in Computer Science and Academic Secretary for 6 months (Administration), On Deputation, Institute of Life Long Learning (ILL) University of Delhi
		2009	Course convener for Refresher course in Computer Science, conducted by Centre for Professional Development and Higher Education (CPDHE), Delhi University.
		2007	Best Paper Award for the paper titled Aspect Oriented Programming – A Programming Paradigm, In National Conference on IT – Present Practices and Challenges, Delhi
		2005-2006, 2010	Visiting Faculty, Department of Computer Science, University of Delhi, for Teaching Post graduate courses – MSc, MCA
		2003	International Paper Presentation at Fundamental Approaches to Software Engineering (FASE), Warsaw, Poland
		2003	International Paper Presentation at Asia-Pacific Software Engineering Conference (APSEC), IEEE Computer Society, Chiang Mai, Thailand
		1999	Certificate of Merit, by Academic Staff College, Jamia Millia Islamia, New Delhi, during the Four week orientation programme sponsored by UGC
1985-1988	Merit Scholarship by Delhi University for 3 years		

	Dr. Hema Banati	2007, 2009	Visiting Faculty, Department of Computer Science, University of Delhi, for Teaching Post graduate courses – M.Sc., MCA
		2007	Best paper award in the 3-week Refresher course in Computer Applications (Sep20 – Oct 11,2007) conducted by CPDHE, University of Delhi.
		1998-2000	Visiting Faculty, Jamia Millia Islamia, for Teaching Post graduate courses – MSc, MCA, MSS
		1998	First Prize in subject Presentation at the Fortieth 4-week Orientation Programme held at the Academic Staff College, Jamia Millia Islamia, New Delhi.
		1985	Merit certificate for being amongst the top one(1%) percent of successful candidates in Science(AISS E)
	Ms. Shilpi Taneja	2015	Teacher Excellence Award for Innovation, University of Delhi, 93 rd Foundation Day, Development of e-Device Application for Students and Behavior Analysis
	Ms. Sheetal Taneja	2013	Gold-Medal (Madan Mohan Memorial Medal) for securing first position in M. Sc.(Computer Sc.), University of Delhi
Geography	Dr. R.K. Abhay	2014	Professor NP Aiyar Young Geographer Award, National Association of Geographers, India, 2014.
History	Dr. S. R. Sharma	Oct., 2012	Delivered the monthly Lecture on invitation at ICHR, Delhi.
		Feb.2012	Resource person & Guest of eminence, Jodhpur University.
		Feb, 2012	Resource person, Kota Open University
		2012	Exploding the myth of the Gūjara identity of the Imperial Pratihāras', in <i>Indian Historical Review</i> , Sage Publication, in the list of most read articles since publication.
		1996	Research publication <i>Society and Culture in Rajasthan, c. AD 700-900</i> , Delhi, 1996. ISBN: 81-7307-037-7. <ul style="list-style-type: none"> • Stands prescribed in Syllabus in Jaipur University, Jodhpur University and Aligarh Muslim University. • Received favorable reviews in the <i>Studies of History</i> published by Sage and <i>Nucleus</i> published by University of Rajasthan. • Cited by several national and western historians such as Prof. D. N. Jha of Delhi University, Ronald M. Davidson of Fairfield University, former Director of Asian Studies and Janet Kamphorst of Leiden University.

Philosophy	Dr. Seema Bose	2005 - 11	Visiting Scholar at McGill University, Canada & The Catholic University of America, USA, Visiting Faculty at Utah Valley State College, USA. Presented Papers In International Conferences in Italy, Poland & Romania. Also delivered a special lecture in Romania.
Physics	Dr. B. Biswas	1985	Commonwealth Post-Doctoral fellowship awarded by Govt of UK at Cavendish Laboratory, Cambridge University, UK.
		---	Life member of Oxford Cambridge Society of India.
		---	Life member of Museum Association of India.
		1986-87	CSIR pool officer at Department of Physics & Astrophysics, DU
	Dr. Vinod K. Paliwal	2010-11	Fulbright-Nehru Senior Research Fellow, USA
		2004	Best Ph.D. Thesis Award (G. C. Jain Memorial Prize)
	Ms. S. Trama	2014	Distinguished teachers award by Delhi University
	Dr. Arpita Vajpayee	2009	Best presentation award in National Conference on emerging Technologies: Nanotechnology and Cryogenics
		2008	First prize in oral presentation, National Symposium on Material Science
		2006	First Prize in Poster Presentation in TFNSC (Twenty First National Symposium on Cryogenics) Conference at New Delhi in year
	Dr. Naveen Gaur	2006-2008	JSPS fellow, KEK Tsukuba, Japan
		2006	Best student award, Asian School on Particles, Strings and Cosmology, Nasu, Japan
		2008	Qualified Japanese Language Proficiency Test (JLPT) Level – 4
2006-2008		Awarded “Fast track proposal for Young scientists” by Department of Science & Technology. Visiting Associate, Inter University Center for Astronomy and Astrophysics (IUCAA), Pune, India	
2010-13		Associate Collaborator, Regional Center for Accelerator Based Particle Physics (RECAPP), Harish Chandra Research Institute (HRI), Allahabad, India (DAE institute).	

Zoology	Dr. Ritu Rai	2005	DST Project under Fast Track Scheme for Young Scientists
		2005	DBT Postdoctoral Fellowship
		Oct. 2004- Feb. 2005	DST Research Associate Fellowship
		Aug.02- Oct. 03	CSIR Senior Research Fellowship
		Jun.00- Mar. 02	UGC Senior Research Fellowship
		Feb.99- May00	UGC Junior Research Fellowship
		Jun. 1998- Jan. 1999	DAE Junior Research Fellowship
		1997	Awarded II best speaker for M.Sc. seminar series
		1989-1994	Jawaharlal Nehru Scholarship
		1989	Qualified for National Scholarship
		1989	Awarded Merit Certificate from CBSE
	Dr. M. Rajbanshi	1982- 84	Pool Officer (CSIR) for 2 years 3 months from as 1 year 4.5 months at AIIMS, New Delhi and 10.5 months at Dept. of Zoology, DU, Delhi
	Dr. Neetu Bharati	Sep. 2012 – Sep. 2013	Awarded with Distinction in Masters in Research (M.Res. Advance Genomics and Proteomic Sciences) programme at School of Biosciences, University of Nottingham, England under Delhi University Faculty Training Scholarship(FTP)
		28 th Nov. 2012	Selected to participate in “11 th East Midlands Proteomics Workshop” organized by Loughborough University
		25–28 Jun. 2013	Selected to participate in “EACR Special Conference on Cancer Genomics” organized by European Accreditation Council for Continuing Medical Education held at Churchill College, University of Cambridge, England
	Dr. P.V. Arya	2012- 2013	Faculty Development program of University of Delhi for Msc. In Cancer Immunology & Biotechnology at University of Nottingham, U.K.
		2011	Science Academics Summer Research fellowship Programme and worked with Professor B.C. Das, Professor Gurbaksh singh, Chair and director Dr. B. R. Ambedkar Centre for Biomedical Research(DU)
		1999- 2000	Merit Scholarship for M.Phil. on basis of 2 nd position in Merit of the M. Phil (Zoology) Entrance CCS University

Mathematics	Dr. Ranjana Saxena	2015	Second prize at National Seminar on “Relevance of Medicinal Plants in 21 st Century”, Department of Botany, Ramjas college, University of Delhi
		Jan. 30 th - 31 st , 2015	1 st price for poster presentation at 7 th national conference on recent advances in chemical, biological and environmental sciences (RACES) at M.M. MODI COLLEGE, Patiala
		Mar. 2009	II prize on presentation of paper at the National Conference of Applied Entomology 78 organized by division of Entomology, Maharana Pratap University of Agriculture and Technology, Udaipur
	Dr. Vatsala Dwivedi	17 th – 20 th Nov. 2013	Best poster award in 54 th Annual Conference of Association of Microbiologists of India (AMI) held at MDU, Rohtak, Haryana, India
	Dr. Rita Rath	1981	University Gold Medal for academic excellence and being the University Topper in Zoology BSc Hons.
		1983	Smt. Usha Gangulay Gold Medal for academic excellence and University Topper in Zoology, M.Sc.
	Dr. Arun Pal Singh	2015	Teacher Excellence Award for Innovation, University of Delhi, 93 rd Foundation Day, Development of e-Device Application for Students and Behavior Analysis
			Best Innovative Idea, Antardhwani, University of Delhi, Innovation project DSC-204 Development of e-Device Application for Students and Behavior Analysis
			Best Display Award, Antardhwani, University of Delhi, Innovation project DSC-204 Development of e-Device Application for Students and Behavior Analysis
		2005-08	Received SERC Fast Track Fellowship under Young Scientists Scheme from DST.
---		Life Member Indian Mathematics Society Life Member Ramanujan Mathematical Society.	
---		Reviewer American Mathematical Society.	
1995-97	Received Junior Research Fellowship (JRF) from University Grants Commission (UGC).		

3.5. Consultancy

3.5.1. Give details of the systems and strategies for establishing institute-industry interface?

The college has a Placement Cell led by faculty members and supported by student union President and Vice President. In 2014-15, more than 250 students got placements in multinationals like KPMG, Towers Watson Wipro, etc. A large number of internships were offered from Mango group, CBC, etc. Under the STAR programme skill development by NSDC, 177 students completed training in gems and jewellery, Sales Consultancy etc. An Innovation project in 2014 for the development of mobile app was selected for the industry interface. Several eminent speakers from the industry are invited to deliver talks and interact with the students. Some of the speakers invited were - Dr. Cathy Dubious, Dr.Kiran Bedi, Ms.Preeti Chenoy, Mr.Varun Malhotra and Sh. T.N Chaturvedi.

Further college is a member of the Central Placement Cell of Delhi University whose main endeavour is to get students placed in reputed multinationals, government organizations, NGOs and the private sector. The students are also taken for industry visits to enhance their industry interaction.

3.5.2. What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and published?

The college promotes consultancy by encouraging the faculty having the desired expertise in their specialized areas. The faculty is engaged in supervising MPhil, M. Tech, PhD programmes in different universities and are involved in the examination process of different universities in terms of paper setting and evaluation. The teachers of the college promote themselves via their websites and as invited speakers at different forums. The teachers advocate their expertise by attending different conferences and publishing papers in the journals.

3.5.3. How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

The college supports the faculty by providing all kinds of support for infrastructure, logistics and laboratories, so that the faculty works towards utilizing their expertise. The faculty is involved in curriculum design, development of e-content, review of courses and examining candidates at different universities. Also, faculty of the college deliver lectures in their area of expertise in different faculty development programmes.

3.5.4. List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

The college promotes consultancy services to be taken up by the faculty. The college has not generated any revenue from the consultancy services.

3.5.5. What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development.

The college has not generated any income from consultancy services.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1. How does the institution promote institution-neighborhood –community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

Some of the events to promote community network are as follows-

- Special youth camps for electoral rolls were held in the college to strengthen the roots of the democracy in our country.
- My Earth My Duty 2014 campaign was organised in association with Zee News.
- A team of students in association with Manas Foundation took part in event of UNDP/UNV event on the occasion of International Youth Day-2014 on the theme 'Mental Health Matters'.
- As part of 7th year of NBT planet Campus-2014 program of Navbharat Times, a program focused to bridge the gap on different areas of concern i.e., admission procedure, course selection, career prospects etc. was held at the college.
- Weekly counseling services by psychologists from Manas Foundation on college premises continued to deal with- Stress and examination Anxiety; Family/relationship issues; Future Orientation and career direction; Personality development; Enhancing Self esteem; Mood and sleep Disturbances; Body Image; Anger Management; & Problems with adjustment.
- Dyal Singh College was designated as Admission Information Centre for the purpose of sale and receipt of common Pre-Admission Forms (OMR) for admission to various Under-Graduate Courses in the various college of the University of Delhi for the Academic session 2014-15.
- Sardar Dyal Singh Majithia Memorial Lecture for the year 2014 was delivered by Sh. T.N. Chaturvedi, IAS, Chairman, Indian Institute of Planning Administration (IIPA) and Former Governor of Karnataka on 'Ethics in Public Life' on Sep.5, 2014.
- Mr. Mohan Saksena delivered a talk on 'Disability; Right to health and role of the Alternative Medicine' on 20th Sep. 2014.
- Other Social Activities: SWACH BHARAT ABHIYAN; Blood Donation; Tree Plantation & Anti-drug rally, Unity Run
- Organised "Voluntary Blood Donation Camp" & "Slogan Writing Competition" on Aug. 2014 in association with Delhi State AIDS Control Society (DSACS), Govt. of NCT of Delhi
- College participated in a "Youth Rally" at JLN Stadium on 1 Oct 2014 on the occasion of "National Blood Donation Day"
- College participated in "Swach Bharat Abhiyan" on 2nd Oct 2014 to mark the 150th Birth Anniversary of Mahatma Gandhi.
- Swacch Bharat Abhiyan was extended to Sai Mandir area on every thursday 4.00 PM on the Call of Dr. Kiran Bedi, the impact of the effort is noticed by the locals as well.
- Celebrated "National Youth Day" on 12th Jan. 2015 on the Birth Anniversary

of “Swami Vivekanand”, volunteers took a pledge emphasizing youth participation by voicing the slogan “Hum Se Hai Nai Shuruat”.

- College visited “Zero Waste Project” Solid Waste Management with the support of Urban Development & NBCC, the event was supported by CII & Young Indians.
- WDC organized an invited talk on Issues regarding Women and Society delivered by former IPS officer Dr. Kiran Bedi.
- WDC, organized two programmes in March 2015 i.e., A street play by the eminent theatre group ‘Asmit’ on the theme of Patriarchy, followed by a workshop on self-defence for women and chivalry for men. This workshop was felicitated by SLAP (Street Level Awareness Programme).

3.6.2. What is the Institutional mechanism to track students’ involvement in various social Movements/ activities which promote citizenship roles?

The college has several programmes and their coordinators who manage different activities. The students are encouraged to participate in different events that lead to their overall growth and also contributes to the welfare of the society. Moreover, the college involves students in all kinds of activities that promote citizenship roles. This also helps in harnessing their innate qualities and helping the society. The different societies of the college guide the students in specific areas of interest. Some of the societies of the college are listed below -

- NSS
- NCC
- Student Advisory Board
- Women Development Cell (WDC)
- Placement Cell
- Adventure and Nature Club
- Society of different departments (Computer Society, Chemistry Society etc.)
- Enabling unit for PwD students
- North East Student Society
- Art and Culture Society
- Dramatics Society (Astitva)
- Art and Craft Society (Jamini)
- Debating Society
- Sports Society
- Fashion Society (Glamouratti)
- Gandhi Study Circle and WUS
- Films and Photographic Society (XPOSURE)
- College Student Union
- College Staff Council

3.6.3. How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

The college has several ways in which to perceive the overall performance and quality of the institution-

- Continuous Evaluation of the progress of the students by the subject faculty as

defined in the curriculum of the course

- Feedback mechanism from the students taken by the faculty and also the Principal of the college
- Continuous feedback by the Principal from the students and the faculty
- Suggestions in suggestion boxes allows students to give suggestion anonymously
- Students have direct access to the Principal office, for any grievance
- Discussion of results at the departmental level
- Access to Internal Assessment by students on the college website
- The results of the students are a parameter for the performance of the college
- The involvement of the students in several activities inside and outside the college
- Placement cell of the college works for placement and career development of the students across various disciplines under the guidance of college faculty
- Inviting parents to college, Alumni meet and meeting of the students with their project mentors helps to solicit stakeholder perception of the institution.

3.6.4. How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach Programmes and their impact on the overall development of students.

The college is involved in planning and organizing several extension and outreach programmes with the objective to stimulate students towards their role and duties towards the society and its issues. Following mentioned activities were organized in the college involving active student participation:

- Under **Swachh Bharat Abhiyan Campaign**, cleanliness drive is scheduled periodically within the college campus including competitions like pot painting, slogan writing etc. Further, the college has taken up the task of keeping the road in front of Sai Mandir and adjacent mandirs clean on every Thursday.
- College observed **Good Governance Day** on 19 Dec 2014 in form of seminar ‘Use of Technology and Innovations in promoting Good Governance’.
- College organised **Unity Run** on the occasion of birth anniversary of Sardar Vallabh Bhai Patel, thousands of student and faculty members participated enthusiastically. NCC cadets performed drill. It was followed by a pledge for unity of the country.
- College is partner in the **CII-Young India initiatives** and hosting seminars for the benefit of students sponsored by CII.
- College is involved in several community service activities-NSS and NCC.
- College signed a MOU with the National Institute of Immunology (NII) in the presence of secretary DSI & Director, NII to be a partner in their **Science Setu programme**. The programme is aimed to contribute to the National goal of encouraging more and more bright young minds to take up the pursuit of science and technology as a career option.
- Every year, college actively participates in annual cultural festival of DU,

Antardhvani and showcase access and promotion of higher education (regular, SOL & IGNOU), environment friendly initiative, best use of infrastructure, health & hygiene, skill development, employability enhancement and youth empowerment, sports, women safety and empowerment, national integration and promotion of research culture in our college .

- From past three years, college is undertaking the educational trip **GYANODAYA**, thereby imparting education among the students involved in the project.
- The college has taken part in several **Innovation Projects** which promote Interdisciplinary research and provide a collaborative learning platform to student and faculty investigators.
- The college organizes several **boys and girls boxing championship, cricket championship**, and several **tournaments** of sports activities such as Chess, Basketball (M&W), shooting, swimming, Table Tennis, Badminton, Volleyball, Archery, Kabaddi, Judo & Taekwondo.
- Every year, college organizes **Annual Sports Meet** in college sports ground, reflecting mass participation on the boys and girls.
- **My Earth My Duty 2014 campaign** was organized in association with Zee News.
- A team of students in association with Manas Foundation take part in event of **UNDP/UNV event** on the occasion of International Youth Day-2014 on the theme ‘Mental Health Matters’.
- **Weekly counselling services** by psychologists from Manas Foundation on college premises continued to deal with- Stress and examination Anxiety; Family/relationship issues; Future Orientation and career direction; Personality development; Enhancing Self-esteem; Mood and sleep Disturbances; Body Image; Anger Management; & Problems with adjustment.
- Several **departmental** and **socio-cultural societies** have been formed where each society looks after a specific responsibility. For example, ‘**UNISON-2014: Beyond the boundaries**’ was organised in the college having representation from 10 Embassies viz., Spain, Portugal, Pakistan, Yemen, Kazakhstan, Mongolia, Slovenia, Togo, Vietnam & Afghanistan. With a vision to strengthen our relations with rest of world and make them tied in a single knot of love and peace this event was organised covering the heritage and culture of the respective country.
- College ran a project in association with **Saksham** to provide various facilities to the students with disabilities or low vision.
- College participated in ‘**Tuberculosis Awareness Programme**’ on world TB day on 24th March 2014.
- College has a **Women Development Cell (WDC)**. It organized an invited on issues regarding **Women and Society** delivered by former IPS officer Dr. Kiran Bedi. It also organized a workshop on **self-defence for women** and chivalry for men facilitated by SLAP, an NGO towards training women in self-defence.

The college has reserved separate fund for some of these activities as specified in the table:

S.No.	Activity	2013-14	2014-15	2015-16
1.	Innovation Projects	40,00,000/- (11 projects) (7 projects contd. in next financial year)	11,00,000/-	22,00,000/-
2.	Sports	7,66,591/-	9,87,350/-	12,55,923/-
3.	Gandhi Study Circle	5,000/-	4,085/-	Nil
4.	Arts & Culture	3,02,754/-	1,48,480/-	3,39,531/-

3.6.5. How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/International agencies?

Every year, Dyal Singh College NCC organizes its NCC Annual Function ‘PARAKRAM’ where eminent Chief Guests and Guest of Honor is invited to encourage students by their motivational talks. They fill the students with great enthusiasm to participate in NCC activities with zeal and courage. Cadets participate in various camp activities, which are organized at regional as well as the national level. NCC Cadets have not only played a vital role in building and sustaining the high NCC standards but have also contributed significantly to the academic life of the institution. Some of the activities performed by NCC are -

- Organized personality development classes for NCC cadets
- Participation in NCC camps by ANO and NCC cadets
- Organised Tree plantation
- Organised Blood Donation camp
- Organised Cancer awareness rally
- Organised Swacch Bharat Abhiyaan
- Organized Anti-Drug Rally.
- Participated in Unity Run.
- Participated in All India Guard.
- International Yoga Day

Every year, Dyal Singh College NSS Unit (Red Ribbon Club) conducts various social activities sensitizing students towards welfare of the society:

- Organised Blood Donation camps in the college.
- Organised Free Health Check-up camp for Teaching & Non-Teaching staff of college.
- Conducted lecture by Brahmakumaris on the topic “Positive change for youth overcoming stress and anger”.
- Organised lecture on women safety and security.
- Organised camp on road safety rules.

- Organised tree plantations in the college.
- Organised poster and slogan writing competition.
- Organised one week Anti-Drug Anti-Ragging Campaign in the college.
- Organised 5 day basic course on Art Of Living for the students.
- Organized Youth Rally on the occasion of “National Blood Donation Day”.
- Campus cleaning drive.
- Organised lecture and quiz on AIDS.
- Organised NSS fest.
- Celebrated “National Youth Day” on the Birth Anniversary of “Swami Vivekanand and voiced the slogan “Hum Se Hai Nai Shuruat”.
- Participated in Swach Bharat Abhiyan.
- Visited “Zero Waste Project” Solid Waste Management with the support of Urban Development & NBCC.

Women Development Cell (WDC)

The women development cell organized an invited talk on Issues regarding Women and Society delivered by former IPS officer Dr. Kiran Bedi. An illustrated book ‘KIRAN BEDI- The making of TOP COP’ was well received by the college fraternity. On the occasion of International Women’s Day the WDC, organized two programmes on the 10th March, 2016 *i.e.*, A street play by the eminent theatre group ‘Asmita’ on the theme of Patriarchy, followed by a workshop on self-defence for women and chivalry for men. This workshop was felicitated by SLAP (Street Level Awareness Programme), an NGO working towards training women in self-defence and men in behavior & attitude towards women. Mr. Ajay Sehrawat, an MTV Roadie and the brand ambassador of SLAP, along with two wrestlers, anchored the workshop. A practice session with experts to educate both boys and girls was well received by the students of the college.

3.6.6. Give details on social surveys, research of extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

The college treats all the students as equal to ensure social justice. The **Equal Opportunity Cell** of the college works to ensure student parity and equality. As student welfare measures, economically deprived students are granted **fee concession/stipend**, reserved category students are allowed to **keep books** from the college library for the entire academic year, books/study material are added to the library for students aspiring to enter services. The activities performed by the NSS unit of the college organizes and works towards the promotion of activities for underprivileged students. The **WDC** unit of the college works towards the development of women related issues. There is an **Enabling unit for the PwD students** which addresses their issues and organizes activities for their uplift. The **North East Student Society** focuses on issues relating to the students belonging to the north east area.

3.6.7. Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

The students of the college are involved in several activities in addition to their academic learning. They are encouraged to join at least one or more of the activities, based on their interest. The **Art & Culture Society** makes a conscious, honest and concerted effort to introduce and inculcate a spirit of cultural ethics, aesthetics and enrichment amongst the students of the college. The **NSS and NCC** volunteers involve participation of students in activities that have not only played vital role in building and sustaining the high standards but have also contributed significantly to the academic life of the institution. A **creative initiative society** named Kutaj integrates multi-lingual (Bengali, Punjabi, Hindi, Urdu and English) activities. The students get benefitted in terms of increased self-esteem, healthier coping patterns, better relationship management skills, realistic goal setting, increased motivation and improved adjustment in their lives. The events organized by WDC focuses on training women in self-defence and men in behaviour and attitude towards women.

3.6.8. How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

- The NCC unit organizes several events like, **Tree plantation, Blood Donation camp, Cancerawareness rally, Swachh Bharat Abhiyaan, Anti-Drug Rally, Unity Run, All India Guard,**

International Yoga Day

- NSS contributes to community development by initiatives like, **Free Health Check-up, camp onroad safety rules, Anti-Drug Anti-Ragging Campaign, Youth Rally on the occasion of "National Blood Donation Day", Visited "Zero Waste Project" Solid Waste Management with the support of Urban Development & NBCC**
- **My Earth My Duty 2014** campaign
- In association with Manas Foundation take part in event of UNDP/UNV event on the occasion of International Youth Day-2014 on the theme '**Mental Health Matters**'.
- As part of 7th year of NBT planet Campus-2014 program of Navbharat Times, a program focused to **bridge the gap on different areas of concern** i.e., Admission procedure, course selection, career prospects etc. was held at the college.
- Dyal Singh College was designated as **Admission Information Centre** for the purpose of sale and receipt of common Pre-Admission Forms (OMR) for admission to various Under-Graduate Courses in the various college of the University of Delhi for the Academic session 2014-15.
- College participated in a "**Youth Rally**" at **JLN Stadium** on the occasion of

“National Blood Donation Day” in 2014

- **Swacch Bharat Abhiyan was extended to Sai Mandir area on every Thursday 4.00 PM on the** Call of Dr. Kiran Bedi, the impact of the effort is noticed by the locals as well.
- College visited “**Zero Waste Project” Solid Waste Management** with the support of Urban Development & NBCC, the event was supported by CII & Young Indians.
- WDC, organized two programmes in March 2015 *i.e.*, A street play by the eminent theatre group ‘Asmita’ on the theme of Patriarchy, followed by a workshop on **self-defence for women** and chivalry for men. This workshop was felicitated by SLAP (Street Level Awareness Programme),

3.6.9. Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

The constructive relationships with other institutions of the locality for working on various outreach and extension activities are as follows-

- WDC organized a workshop on **self-defence for women** and chivalry for men facilitated by SLAP, an NGO towards training women in self-defence.
- “**Zero Waste Project” Solid Waste Management** with the support of Urban Development & NBCC
- NBT planet Campus-2014 program of Navbharat Times, a program focused to **bridge the gap on different areas of concern**
- Partner in **CII-Young India initiatives** and hosting seminars for the benefit of students sponsored by CII.
- MOU with National Institute of Immunology (NII) to be a partner in their **Science Setup programme**.
- Organizes **boys and girls boxing championship, cricket championship**.
- **My Earth My Duty 2014 campaign** was organized in association with Zee News.
- In association with Manas Foundation take part in event of **UNDP/UNV event** on the occasion of International Youth Day-2014 on the theme ‘Mental Health Matters’.
- **Weekly counselling services** by psychologists from Manas Foundation on college premises
- ‘**UNISON-2014: Beyond the boundaries**’ was organised in the college having representation from 10 Embassies viz., Spain, Portugal, Pakistan, Yemen, Kazakhstan, Mongolia, Slovenia, Togo, Vietnam & Afghanistan.
- In association with **Saksham** to provide various facilities to the students with disabilities or low vision.
- ‘**Tuberculosis Awareness Programme**’ on world TB day on 24th Mar., 2014.

3.6.10. Give details of the awards received by the institutions for extension activities and/contributions to social/community development during the last four years.

The students of the college have received several awards in the various extension activities. The number of awards are listed below-

Year	NCC	Sports	Societies (Art, Culture, Music, Dance, Drama, Photography Society)	Other Awards (Debate, Quiz etc.)
2014-15	25	26	120	22
2013-14	18	16	30	7
2012-13	15	20	17	20
2011-10	20	32	39	8

3.7. Collaboration

3.7.1. How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits occurred of the initiatives-collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

- 1. Academic institutions**
- 2. Industry**
- 3. Other agencies**

The college does not have a formal collaboration with any industry or research facility outside the college. The faculty investigators of different projects have access to the research facility of the institute to which the mentors belong. For the different innovation projects, the mentors belong to reputed institutes like IIT Delhi and Departments of University of Delhi. The faculty and students have access to the research facilities present in the institutions. Additionally, students have access to library facilities in the University, like Ratan Tata Library, Central Science Library, South Campus Library and Central Reference Library (Arts Faculty). Also, computing facility at Delhi University Computer Centre is accessible for research work. Research facility of other laboratories like IIT Delhi, AIIMS, IGIB are also being utilized for research work.

3.7.2. Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution. Local bodies Community State National International Industry Service sector Agricultural sector Administrative Agency Any other specify.

The college has MOU with NSDC (National Skill Development Corporation) for providing approved training programs and another MOU with National Institute of Immunology (NII) to be a partner in Science Setu program. Also, several international and national events have been held in the college in collaboration with different institutes and government agencies. Some of them are listed as follows-

- National Seminar on ‘Sociology of Dalit Literature’ sponsored by ICSSR was organized in 2013.
- Frontiers and Challenges in Pharmaceutical & Environmental Chemistry held in March 2013 sponsored by UGC.
- Bharat Ke Utapeedit Samuday Aur Samajik Nayay Ki Awadharna held in March 2012.
- Equity market and Future and options in collaboration with ICSI & Investor Education and Protection fund, Ministry of corporate affairs, September 2013
- Seminar on enhancing skills to face challenges in competitive world with NDIM in April 2015.
- Conducted lecture by Brahma kumaris on the topic “Positive change for youth overcoming stress and anger.”
- Organised 5 day basic course on Art of Living for the students.
- Faculty Development Programme.

3.7.3. Give details (if any) on the industry-institution-community interactions that have contributed to the establishment/ creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories/library/ new technology/placement services etc.

- The Placement Cell of the college has an active involvement with the industry for securing internships and jobs for the students. More than 250 students got placement in 2014-15 in multinationals like, Anti Alias, Edutools, Store Hippo, Lingual Consultancies. In 2013-14 students have been placed in well-known multinationals like, Genpact, Zomato, E&Y, IBM, Torque communications.
- A large number of internships were offered by Mango group, CIBC, Lets intern, etc.
- Retired Army officers from Lissa Academy addressed students regarding selection procedure and preparation for various armed services examinations.
- Apart from renowned companies, World Skills Organization, CII Workshops and French University Seminars were organized for the benefit of the students.
- Swacch Bharat Abhiyan involving cleanliness around Sai Mandir, every Thursday
- Community interaction for Inter college boys and girls boxing championship every year
- Workshops conducted on Hands-on training and workshop on ‘Web Development’ and Tally
- Seminar on income tax return and Wealth management
- Students contribute in publishing of research papers and articles which helps them improve their writing skills and analytical skills

3.7.4. Highlighting the names of eminent scientists/ participants who

contributed to the events, provide details of national and international conferences organized by the college during the last four years.

Several eminent scientists/ participants have been invited to the college for various events during the last four years. Some of them are as follows-

- a) **Padma Shri Prof. J. S. Rajput**, Former Director, NCERT, Founder Chairman NCTE,
- b) **Ambassador Hardeep Singh Puri**, Former permanent representative of India to United Nations
- c) **Prof. G. D. Sharma** Former Secretary UGC
- d) **Mr. Rajiv Kale**, Director, Women and Child Development
- e) **Shri T. N. Chaturvedi**, IAS, Chairman Indian Institute of Planning and Administration
- f) **Mr. A.K. Singh** DIG
- g) **Mr. B.C. Joshi**, DIG, BSF
- h) **Mr. Y.P. Anand**, Former Director, National Gandhi Museum
- i) **Dr. K.L. Kapoor** a well-known Physical chemist delivered a talk.
- j) **Dr. J.L Sharma** of Kirori Mal College delivered a talk on safety aspects in the chemical laboratory.
- k) **Prof. R.K. Sharma** and **Prof J.M. Khurana**, **Dr. Madhu Chopra** delivered talk on various occasions.
- l) **Dr. R. K. Sarin**, Chief Research Manager Indian OIL R&D emphasized the need for bio fuels for energy & economic security
- m) **Dr. R. R. Sonde**, Executive Director Energy Technology (NTPC) Ltd. described the delivered a much celebrated talk on” Chemistry and Energy: Advances in chemistry to address energy-environment concerns
- n) **Prof. Mihir Deb**, Director, School of Environmental Studies, University of Delhi
- o) **Prof. Mahesh Rangarajan** from University of Delhi cited concerns over global warming and related changes such as sea level rise, changes in rainfall pattern, high magnitude storms, soil moisture and other factors related to environment.
- p) **Dr. R. K. Khandal**, Director, Shriram Institute of Industrial Research explained the role of Chemistry in the whole process of pharmaceutical product development and in the growth of health care industries.
- q) **Dr. G. S. Kapur**, Sr. Research Manager Indian Oil R&D centre Faridabad magnificently described the various component of the petrochemical industry in his talk “Trends in polyolefin production, catalysts and advanced materials”.
- r) **Dr. Rita Kakkar**, Department of chemistry, University of Delhi while introducing the subject matter of molecular modelling.
- s) **Dr. N.K Choudhari** Scientist INMAS DRDO introduced some of the recent

advancement of application of subject matter of photochemistry.

- t) **Mr. Suresh Yadindra**, Director, SISI New Delhi very elegantly introduced the concept of entrepreneurship and explained how the students can utilize their knowledge of chemistry and establish a successful entrepreneurship.
- u) **Mrs. Luna Das Bangia**, Education advisor North India USIEF introduced the USIEF and the Fulbright commission in India. Mrs. Luna also provided information on Fulbright Nehru and other fellowships for Indian students, faculty, researchers and professionals.
- v) Every year under Botanical Society of the college, we invite experts to deliver special lectures on various aspects of Botany including research areas for the students.
- w) Science-Setu Programme ongoing since 2015.
- x) **Prof. Ramesh Aggarwal** from JNU, Department of Computer Science
- y) **Dr. S. C. Gupta**, IIT Delhi, Department of Computer Science

Several conferences and seminars have been organized by the college as follows-

- Frontiers and Challenges in Pharmaceutical & Environmental Chemistry, Mar.13
- Chemistry and Biology Interface, May 2013
- Recent development in capital market, Jan 2012
- Equity market and Future and options, Sept 2013
- Chartered Certified Accountant Qualification (ACCA or FCCA), January 2014
- Companies Act, 2013:A move towards better corporate governance, Nov. 2014
- Seminar on Wealth management, Aug., 2014
- Seminar on enhancing skills to face challenges in competitive world, Apr., 15
- Seminar on income tax return, Aug., 2015
- Tally workshop, Oct., 2015
- Hands-on training and workshop on 'Web Development' April,2013
- National Conference on Photonics, 2009
- Flavour Physics working group of Workshop on High Energy Physics Phenomenology (WHEPP) 2013
- 11 National conference by the College in collaboration with Punjabi Academy, Delhi
- 2 International conference by the College in collaboration with Punjabi Academy, Delhi

3.7.5 How many of the linkages/ collaborations have actually resulted in formal

MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/ or facilities-

- a) Curriculum development /enrichment
- b) Internship / On-the-job training
- c) Summer placement
- d) Faculty exchange and professional development
- e) Research
- f) Consultancy
- g) Extension
- h) Publication
- i) Student Placement
- j) Twinning programmes
- k) Introduction of new courses
- l) Student exchange
- m) Any other

There are two formal MOU agreements

- MOU with NSDC (National Skill Development Corporation) for providing approved training programs
- MOU with National Institute of Immunology (NII) to be a partner in Science Setu program.

3.7.6 Detail on the systemic efforts of the institution in planning, and implementing the initiatives of the linkages / collaborations. Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.

The college puts in effort in terms of holding workshops, Seminars, Sensitization programmes, conferences, Faculty Development Programme, Invited Talks, Symposia, Industry visits to facilitate linkages and collaborations. The college may like to include regular industry visits and research centres in specific areas. As a continued effort the students are encouraged to go for summer training, internships in organizations and industry.

Dyal Singh College (University of Delhi), Lodhi Road, New Delhi – 110 003
Self-Study Report

CRITERION - IV

INFRASTRUCTURE AND LEARNING RESOURCES

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CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

The total land area of 11 acres has been distributed in college building, sports grounds, lawns and parking area. The college building houses classrooms, common rooms, departmental rooms, administrative block, laboratories, computer laboratories, auditorium, seminar hall, central computer laboratories in college basement and a spacious canteen. The college is also keeping at par with the growing demand of infrastructure. Continuous up-gradation of existing infrastructure and creation of new infrastructure facilities are being undertaken.

4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

The policy of college for creation and enhancement of infrastructure to facilitate effective teaching and learning is chalked out by the Governing Body of the college in consultation with the Principal and the Building Construction and New Projects committee. Keeping in view the current dynamics of effective teaching and learning and demands of different courses to be taught, Governing Body makes a policy to create and enhance new infrastructure and renovate the existing infrastructure. The policy is implemented by the building committee of the college in consultation with finance department.

4.1.2 Detail the facilities available for

a) Co-curricular activities -

- (i) Classrooms, technology enabled learning spaces, conference room, tutorial spaces, seminar room, libraries, laboratories, Animal house, specialized facilities and equipment for teaching, learning and research, etc.

Classrooms- There are 50 classrooms, including 07 eco-friendly bamboo-based classrooms and 12 PORTA cabins. In addition there are fully air conditioned departmental rooms, a common staff room and girls' common room.

Technology enabled learning spaces- 32 classrooms are fitted with projectors *i.e.*, audio-visual facility.

Tutorial spaces- There are 9 tutorial spaces.

Laboratories- All the science departments viz., Chemistry, Physics, Botany and Zoology, have respectively 4, 5, 3 and 3 well equipped laboratories for syllabus based practical classes and one laboratory each for innovation research. The laboratories are upgraded with advanced Laboratory equipment. In addition there are two research labs in department of chemistry well

equipped for post graduate research where research scholars pursuing their PhD degree are able to carry-out their research work.

Animal house – College does not have an animal house.

Equipment for teaching and learning : Well- equipped classrooms, 1700 laptops for teachers and students, 30 multimedia projectors in labs/classrooms.

Research- 3 labs dedicated for innovation projects one in each department, chemistry, zoology and physics. Two research labs in department of chemistry duly approved by faculty of sciences, University of Delhi for doing Ph.D work. List of Equipment in research/innovation projects research labs-

- Spectrophotometers – 4.
- Digital Balances upto four decimal places.

Committee room: For holding meetings of governing body, meetings of different selection committees and meetings of other committees there is a separate committee room in the college

Computer resources - The whole of the college campus is Wi– Fi enabled.

There are two central computer labs linked to University of Delhi North Campus with optical fibre. There is a well-designed modern Computer Resource Centre with advanced audio-visuals multi-media facilities like LCD Projectors, Overhead Projectors, and 80 computers with High Configuration. The second central computer lab has 55 latest generation computers all with internet connections. There are many staff to maintain the systems and to provide technical assistance to the faculty members and students.

Number of Computers(Desktops): 150

Laptops –

S.No.	Make & Model	Processor	RAM	HDD	Quantity
1.	HP Probook	AMD	8GB	320 GB	1700
2.	HP Verion	I-5 2.6	4GB	320 GB	80

LCD Projectors -30

Photocopier and 3-in-1 machines – 7

(ii) Amplifier, Column Speaker, Paging Microphone, VHF wireless Microphone Receiver fitted in Seminar Hall and Auditorium.

Licensed Software: Items& Quantity are as below:

1. LSEase software by Libsys Corp. for Library Automation - 1
2. Software: Quick Heal Antivirus - 10
3. Software--MS Office 2013 Pro - 36
4. ERP College software for administrative and financial work - 1
5. Tally Student Software for Dept. of Commerce - 1

The college has installed LAN with a High Configuration Server and Wi-Fi Services in the college. Installation of server based local area network (LAN) facility provides fast flow of data across computers, internet connection in

departmental computers to browse and download (study materials, research papers, etc.), and easy maintenance and quick reference of various data (student records, results, accounts, etc.)

ERP- Implementation of Computerization and Information Management System in the administrative process to provide easy maintenance and quick reference of various data (student records, results, accounts, etc.) has made an effective impact on administration and governance of the college.

Integration of LAN with all departments, office, library and students.

Total computerization of cataloguing of books with customized software and development of database of college central library has enabled swift access to library database and creation of digital database for effective use by students and staff of the college.

Central Computing Laboratory provides excellent academic computing facilities to the faculty and students. In-house training for target groups are also arranged for using different types of software.

All the Departments have been provided with computers. Departments of Mathematics Physics and Commerce have established computer facilities for the benefit of the students and the faculty. Some faculty members have been able to procure a number of computers with higher end configuration through their individual projects sanctioned by various funding agencies. These computers and peripherals are also accessible to the faculty, the research scholars and the students in their respective departments.

The computers are also interfaced with LCDs to train and develop Power Point presentations for the research papers to be presented in conferences/ symposia/ workshops. All the sections of office (Administration, Academic, Development, Finance, etc.) have been provided with computer facilities.

The examination dealing section is also being computerized.

In all there are around 150 computers in the college. Thus Computer facility is extended to all students and staff. In addition to central computer labs, each department has independent computer labs:

Computer Science Department- 40 computers; Chemistry Department- 13 computers; Geography Department- 12 computers; Physics Department- 10 computers; Zoology Department- 4 computers; Botany Department- 1 computer. There is internet connection in departmental computers to browse and download study materials, research papers, etc. College administrative office has 12 computers and Principal's office has 2 computers. The college has installed High Configuration Server and a server based local area network (LAN) facility to provide fast flow of data across computers. All the computers are linked through LAN. There are 1746 laptops for students and faculty.

Seminar Hall- The College has a seminar hall with advanced audio-visual and multi-media facilities like LCD Projector, Laptop, and Computer with High Configuration of the Latest Generation with Internet connection to organise seminars, lectures and other academic activities and administrative meetings. The seminar hall with a seating capacity of 120 is also used for student counselling during admission to degree courses and for central evaluation centre of University of Delhi.

Auditorium –There is an auditorium on the third floor of the new academic block of the college connected with a lift. It has a seating capacity of 210 and has advanced audio-visual and multi-media facilities like LCD Projector, Laptop, etc. The hall is fully air conditioned with a stage for academic as well as cultural activities

Botanical Garden – One botanical garden with a wide variety of plant species is maintained by the college.

- (b) **Extra-curricular activities** – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene, etc.

Sports, outdoor and indoor games- Dyal Singh college is well known for its sports activities. Students take part in Inter-college, district, State and National Level competitions for different events. The College has substantial resources for both outdoor and indoor sports and these are suitable for holding university and state level tournaments as well.

Facilities for outdoor games -

- One cricket ground
- Net for cricket net practice
- One ground for kabaddi
- One ground for football
- One synthetic basketball court
- Five badminton courts
- Two volleyball courts
- Two archery grounds

Facilities for athletics - pits for long jump, shot-put, discuss throw and javelin throw, polevault high jump and tracks for races.

Facilities for indoor games: 2 tennis tables, 1 ball badminton court, games like chess

The NSS, NCC & Eco-club (Environment Awareness Cell): The NSS, NCC and Eco-club are highly active and the college provides these organizations separate rooms to keep their equipment and from there they carry out their extension activities.

Art and Culture society: A separate area and a room has been earmarked for art and culture society of the college where the equipment like musical instruments have been kept and students carry out their practice session regularly.

Amphitheatre: The college boasts of a highly spacious amphitheatre which is used for hosting annual cultural festival of the college, orientation programmes, and others functions of student union. It is located in the centre of the college with a seating capacity of more than 500. Most often it is used by art and culture society of the college for its activities.

Health and hygiene: There is a medical room with all first aid equipment, a facility for students and staff.

Specialized facilities

- One of the basements of college building is converted to centre for evaluation of answer scripts during different examinations conducted by Delhi University like Annual, semester, supplementary and school of open learning examinations.
- There are two generators for power backup
- As security measures security lights have been installed in the college and boundary wall has been fenced.
- CCTV surveillance in entire college
- Public address system
- 600 KVA electric Panel
- Well-furnished faculty rooms
- Disabled friendly toilets, ramps and lift.
- Public address system
- Fire fighting system with fire extinguishers installed across the campus
- Medical rooms
- A prize winning lush green lawn
- A spacious canteen

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).

College is having large academic block hosting big and spacious classrooms, tutorial rooms and laboratories. A library equipped with several books for each of the departments and literature. Some of the department also practices departmental library concept as well. Construction of remaining portion of science block is also on cards to promote research work in the college and demand for the infrastructure. This block will provide an additional space to all the science departments. College plans to build good sports facility as well in near future. Master plan appended as appendix-V (page xi-xi)

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities ?

Disabled friendly campus.

4.1.5 Give details on the residential facility and various provisions available within them:

- **Hostel Facility – Accommodation available**
- **Recreational facilities, gymnasium, yoga center, etc.**
- **Computer facility including access to internet in hostel**
- **Facilities for medical emergencies**
- **Library facility in the hostels**
- **Internet and Wi-Fi facility**
- **Recreational facility-common room with audio-visual equipments**
- **Available residential facility for the staff and occupancy**
- **Constant supply of safe drinking water**
- **Security**

Not applicable

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus ?

College has a large green cover with well-maintained trees, which contribute in building a pollution free environment in the premises. Group insurance of staff. College has a medical room with all the necessary first aid and a mobile stretcher. A Trained nurse and first aid facility in place for providing proper first aid during emergencies. Prompt service of medical facility in nearby facilities like AIIMS & Safdarjung Hospital have been regularly utilised.

4.1.7 Give details of the Common Facilities available on the campus –spaces for special units like IQAC, Grievance Redressal unit, Women’s Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

IQAC : Not applicable. IQAC (Internal Quality Assurance Cell) is a recently suggested mechanism under the NAAC guidelines to monitor quality of teaching-learning process. The mandate and task of IQAC is same as the combined mandate and task of Academic and Time-table Committee. The college is going for NAAC accreditation for the first time. Right now college does not have IQAC but is committed to constitute the cell as per NAAC guidelines at the earliest. The tasks that we have identified for the IQAC are

- Developing and applying quality benchmarks / parameters for various academic and administrative activities
- Facilitating the creation of a learner-centric environment

- Institutionalizing feedback from the participants in this teaching-learning process

Grievance Redressal unit : Grievance redressal with reference to evaluation.

- At University level if a student is not satisfied with his evaluation, he/she can apply for re-evaluation, re-checking of the answer scripts. As per the University policies a student can also get copy of his/her checked answer script after payment of the requisite fee.
- At college level, faculties ensure that the answer scripts of class tests / assignments are shown to the students for correctional learning and possible grievance.
- Monthly attendance of the students is displayed at the college website and any problems therein can be addressed by college administration.
- Internal assessment (that amounts to 25% of the total marks) marks are displayed on college website to invite any objections / grievances.
- Internal Assessment is routed through departmental moderation committee (that has current Teacher-in-Charge, past Teacher-in-Charge and senior-most teacher as member). As per University norms, there is also a central moderation committee (headed by the Principal) that ensures that all the grievances of the students are addressed before sending Internal Assessment records to the University.
- To resolve any of the grievance of students Admission Grievance Committee is also constituted in Staff Council. Information about this committee (members' names and their contact details) are displayed on the college notice board and website. Admissions Grievance committee, representatives of enabling committee and helpdesk (manned by student volunteers) are available for the whole duration of the admissions. Details about these are duly posted on College notice board and website.

Women's Cell : Women Development Cell (WDC) organizes various activities in college. Last year they organized a street play by theatre group "Asmita" on patriarchy followed by a workshop on self-defence for women.

Counselling and Career Guidance : Teachers on regular basis guide / counsel students on various academic issues like the optional papers they can opt for (in CBCS mode students have to opt for Generic Elective papers) especially considering the future career possibilities.

- College organizes interaction sessions for career counselling.
- College has a special nodal officer for providing all kind of counselling and support to the students from North-East.
- Equal Opportunity Cell (EOC) cell of the college help and empower PWD (Persons with Disability) students to ensure their participation in all academic, social and cultural life of the institution.
- College also has a Student Advisory Committee (duly formed in Staff Council of the college) that act as a bridge between college administration and students (and their elected representatives).
- College NSS also organizes many activities to support students.
- College organizes weekly counselling services by psychologists from Manas

Foundation to deal with stress and examination anxiety, family relationship issues, future orientation and career direction, personality development, etc.

Placement Unit : College has an active placement cell. Last year more than 250 students got placements in various companies with highest pay of Rs. 10 lakh (p.a.) and average pay of Rs. 2.8 lakh (p.a.). Placement cell also organizes CII (Confederation of Indian Industry) seminars and workshops for the students.

Health Centre : A dedicated space in the form of medical room is operational. A full time trained nurse appointed in the college is available to handle medical needs of stakeholders.

Canteen, recreational spaces for staff and students : A spacious canteen with reasonable price food items are available. Canteen contract is awarded on annual basis based on competitive bidding process involving staff council appointed committee. Committee take all the pain in ensuring quality & services of the canteen vendor. Staff and students take best use of the available space for the recreational purpose.

Safe drinking water facility : A very good care is taken by the college administration to ensure the safe & clean quality of drinking water. RO system of drinking water is in place on strategic locations in order to ensure easy access to the safe & clean drinking water to all (including staff and students).

Auditorium : There is an auditorium on the third floor of the new academic block of the college connected with a lift. It has a seating capacity of 210 and has advanced audio-visual and multi-media facilities like LCD Projector, Laptop, etc. The hall is fully air conditioned with a stage for academic as well as cultural activities

4.2 Library as a Learning Resource

Dyal Singh College Library utilizes a space of 296.24 sq. meters with air conditioned reading rooms for students and teachers and a rare book section. The library premises have been recently renovated to accommodate more books and journals. This century old library has rare books at the disposal of undergraduate students, researchers and scholars of various disciplines. The library at present has 28,916 books, 837 journals and 12 e-resources. A Complete Accession Numbering System is adopted for cataloguing of all books and journals which is based on user friendly multi-digit Alpha Numeric Decimal numbering system.

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

Yes, Advisory Committee for Library is Library Committee. It is constituted by the Staff Council in which the Principal is the Chairperson and a convener is elected by the Staff Council. Librarian, Teacher in –charges/Department nominees of all departments are members of the Library Committee.

The Library Committee allocates the Grant to various departments in every academic year and the allocation based on number of students and papers of the

departments. The Library Committee is responsible to constitute the rules, regulations, amendments and welcomes suggestions and recommendations.

4.2.2 Provide details of the following:

Total area of the library (Sq. Mts.) : 296.24 sq. meters

Total seating capacity :100

Working hours

(on working days, on holidays, before examination days, during examination days, during vacation)

On working days : 08:00A.M--5:30 P.M (Monday to Saturday)

On holidays : Closed

Before examination days : 08:00 AM-- 5:30 PM (Monday to Saturday)

During examination days : 08:00 AM-- 5:30 PM (Monday to Saturday)

During vacation : 08:00 AM-- 5:30 PM (Monday to Friday)

Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

Layout of the library : Stack room space: 2850 sq. mt.; General reading room space: 2507 sq. mt.; Group study room (15 sq. mt.); Seminar room (20 sq. mt.); Librarian's room (30 sq. mt.); Administrative+Technical staff room space (46 sq. mt.).

Reading carrels : Nil

Reference section : 100 Seats

IT Zones for accessing e-resources: There are three computers, out of which one system is dedicated for visually challenged users and is kept in a separate enclosure, and rest of the two computers are kept in reading room for all library users

4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

The purchase of current titles, print and e-journals and other reading materials is through Recommendation Forms which are compiled by the members of library committee from each department and finally approved by the Principal. The Library funds are obtained from University Grant Commission in form of a fixed of grant of Rs. 22,500/- (per academic year) along with a time to time grant which is obtained from UGC under its five year plan. Additional funds are also generated from students as part of the fee charged at the time of admission. The same is a nominal amount of Rs. 160/- consisting of library fee 125/-, reading room fee 25/- and library ticket charges 10/-, per student.

Library Holdings

Library Holdings	2011-12		2012-13		2013-14		2014-15	
	No.	Total Cost						
Text Books	2,249	7,55,077	1,475	5,50,573	1,303	5,84,379	1,461	5,62,767
Reference Books	472	1,40,560	63	30,767	27	27,040	61	30,709
Journals/Pdl	54	90,670	52	97,953	51	1,00,105	50	1,04,178
Note : Total Cost included cost of 18 newspapers in 2011-14 and 19 newspapers in 2014-15								
E-resources	-	-	-	-	09	2500	-	-

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

- **OPAC:**Online Public Access Catalogue (OPAC) is made available to the users to identify the status of availability of documents in the library.
- **Electronic Resource Management package for e-journals:**The college is eligible to get access e-resources under the "National Library and Information Services Infrastructure for Scholarly Content (N-LIST) programme. The Delhi University Library System also provides access to a large number of e-resources.
- **Federated searching tools to search articles in multiple databases:** These are provided by NLIST and Delhi University Library System
- **Library Website:**Embedded within the Dyal Singh College website.
- **In-house/remote access to e-publications:** The students and the staff have complete access to e-publications covered under NLIST programme and Delhi University Library resources.
- **Library automation:**LSEase library automation software from LIBSYS Incorporation has been procured for automating in-house activities and services of the library.
- **Total number of computers for public access:**There are three computers for public access within the library premises in addition to 131 computers in dedicated computers labs (Web Access Centre) of the college.
- **Total numbers of printers for public access:**02 printers within the library, 01 Braille printer for visually challenged persons and another normal laser printer. Additionally there are 04 laser printers in dedicated computer labs of college.
- **Internet band width/ speed:** 100 mbps
- **Institutional Repository:** College does not maintain a repository.
- **Content management system for e-learning:** There is no content management system for e-learning
- **Participation in Resource sharing networks/consortia (like Inflibnet)**

- The college is a part of N-LIST programme which is a recourse sharing network programme funded by the MHRD under NME-ICT to extend access to selected e-resources to colleges.

4.2.5 Provide details on the following items:

Average number of walk-ins	: 500 - 600 per day
Average number of books issued/returned	: 400 – 500 per day
Ratio of library books to students enrolled	: 16:1
Average number of books added during last three years	: From April 2011-12 to March 2014-15, on an average 1507 books were
Average number of login to OPAC	: Library users do not need any OPAC login for accessing to library system.
Average number of login to e-resources	: NA
Average number of e-resources downloaded/printed	: NA
Number of information literacy trainings organized	: Information literacy training modules for library staff are organized by the college, Delhi University Library System and Inflibnet (UGC)
Details of weeding out of books and other materials	: A weed out process is currently being undertaken in college library to weed out approximately 4000-5000 books

4.2.6 Give details of the specialized services provided by the library

- **Manuscripts** : No manuscript preparation service is being provided by college library.
- **Reference**: Library is providing reference service to all users (college users, students and staff, ex- students and some outsider users)
- **Reprography** : Facility is provided by the college library.
- **ILL (Inter Library Loan Service)** : Facility is provided by the college as per need of the users
- **Information deployment and notification (Information Deployment and Notification)** : All the general notifications and information concerning students and staff are displayed on library/college notice boards and on college website
- **Download** : Library users are regularly downloading and printing study material from library resources.

- **Reading list/ Bibliography compilation** : Facility is provided on demand or request by users
- **In-house/remote access to e-resources** : Facility is available through N-LIST Programme
- **User Orientation and awareness** : In the beginning of every academic session, an orientation programme is held in the college during which all the new admissions are made aware of working of library system and various modalities they are to undertake for full access to library resources.
- **Assistance in searching databases** : Trained library staff is available in the duty hours for assisting library users in searching databases.
- **INFLIBNET/IUC facilities** : Available in the college library.

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

The library staff is helpful and assists the users in searching of information, searching of books in OPAC, locating books on shelves and reference section, locating question papers and syllabi. There are bar coded library reference cards that making it hassle free issuing and returning of the books. Technical support to visual challenged users is also provided by library staff.

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

To cater to the needs of visually/physically challenged persons, library has earmarked separate spaces within the library that are fully equipped with all the required facilities namely

- One desktop computer
- Two laptops having JAWS software
- Scanner (flatted as well as Lex Air)
- Braille printer
- Laser Jet printer
- Microphone
- MP3 Players
- Tape Recorders
- Braille books
- Supportive library staff to guide them to access resources and scanning the documents

4.2.9 Does the library get the feedback from its users? What strategies are deployed by the Library to collect feedback from users? How is the feedback analysed and used for further improvement of the library services?

The library welcomes feedback and suggestions from users both in verbal and written forms. Depending on nature of suggestions they are either discussed with library staff and sorted out within the library, or put to Library Committee for its recommendations and finally discussed with principal for implementation. Based on such feedbacks from users library has adopted certain changes in user services such as reading hall is now open on Saturdays, library hours have been extended, and now it is possible to get the books in reference section issued for two days.

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years) ?

Table - Summary of maintenance Expenditure (other administrative) of the college (during 1.1.2011 to 31.03.2015)

Particulars	1-Apr-2011 to 31-Mar-2012		1-Apr-2012 to 31-Mar-2013		1-Apr-2013 to 31-Mar-2014		1-Apr-2014 to 31-Mar-2015	
	Closing Balance		Closing Balance		Closing Balance		Closing Balance	
	Debit	Credit	Debit	Credit	Debit	Credit	Debit	Credit
Laboratory Exp.(Cont.)	342769		311427		362717		354145	
Advertisement Expenses	127234		14665		127063		257076	
AMC for Generator	49083		77046					
AMC For Xerox Machine	14891		4500		14039		4214	
AMC Library System	22104							
Annual Maintena. Charges	20406		20787		36098		35735	
Audit Fee	16400		37475		39250		37150	
Cleaning Material & Services							45933	
Computer Maintenance							167988	
Conf. & Semi.Reg.Fee			20021		13100		19100	
Electricity Charges	2977760		4835772		5315728		6169150	
Garden Expenses	600		10799		500		748	
Identity Card Expenses	37155		28846		48415		28886	
Insurance Disaster			65479		65479		65479	
Insurance Expen.(Building)	33658		35638		33882		17169	
Insurance Expe.(Cashier)	11030		11236		11236		11236	
Insurance Expe (Pl. & Machi)	355							
Land and Dev. Charges			1626075		34800		34800	
Legal Charges	80450		963750				193300	
Library Contingency			20016		50351		70813	
Maintena. of Xerox Machine	78364		70929		120034		63625	
M.C.D. Property Tax	325924		325924		429716		429716	
Minor Repair to Bldg.	556938		701140		897147		668619	
Miscellaneous Expenses	505800		88148		16018		178923	
NPS Transfer Charg.(Online)	24956		20256		18517		16726	
Office Automation Expenses	145546		177338		221431		76102	
Postage & Telegram	25936		13543		24948		75211	
Repair & Replacement	14435		8560		1900		4200	
Stationery & Printing	267593		214343		293933		252525	
Uniform & Liveries	112252		24280		203851			
Water Charges	1994849		1415253		600246			
Grand Total	7786488		11143246		8980399		9278569	

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

College ensures proper maintenance of its infrastructure, facilities and equipment's. Periodic maintenance drives are carried out. Proper cleanness is observed in the premises regularly. The contract for the same is given to Sulabh International. Safe drinking water, clean canteen premises and regular cleaning of washrooms are given top priority. Caretakers are on the job for maintaining the best possible standard of the same. The college gardeners have been doing a great job in maintaining greenery even at a very low budget and winning prizes regularly in University flower show.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?

Periodic calibration of laboratory instruments is carried out in order to ensure efficient and proper experimentations. All these activities are facilitated under the guidance cum supervision of trained staff and well-qualified teaching staff. Up gradation with latest technology/instruments is always encouraged to cater to various needs of the students.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)? Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.

- Powerful generator to cater power need in case of shutdown.
- Online UPS installed with computer systems to handle power trips.
- RO system is installed at multiple locations in the college.
- Voltage stabilizers in place to ensure the safeguard from voltage fluctuations.

Dyal Singh College (University of Delhi), Lodhi Road, New Delhi – 110 003
Self-Study Report

CRITERION - V

STUDENT SUPPORT AND PROGRESSION

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CRITERION V - STUDENT SUPPORT AND PROGRESSION

Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

Yes, at least three such documents are published during a year.

Handbook of Information (Admission Prospectus available at the time of admission) : The information provided in the handbook are-

- (i). Important Notice, Name and phone numbers of Contact Persons/ Dealing Assistants
- (ii). Committees.
- (iii). Faculty Profile.
- (iv). About the College.
- (v). Structure of Courses, papers options and other academic details.
- (vi). Admissions: Number of seats in various programmes, minimum percentage of marks requirement; compartment cases; reservations under various categories; sports/co-curricular admission; important notes.
- (vii). Withdrawal.
- (viii). Rules of refund.
- (ix). Eligibility for award of degree.
- (x). Post graduate courses.
- (xi). Ordinances (various related ordinances viz., VII(2) Attendance norms; VIII(2) Span period; IX Promotion rules; XV-B Discipline ; XV-C Ragging; XV-D Sexual Harassment, etc.).
- (xii). Detention, fee concession, identity card.
- (xiii). Library Card; Instruction for filling admission form.
- (xiv). Additional admission eligibility criteria/Anti Ragging Affidavit.
- (xv). Last year's Cut-Off Percentage.
- (xvi). Fee Structure.
- (xvii). Admission schedule.
- (xviii). Academic Calendar and College Timings.

Annual Report (Available at the time of Annual Day which summarises the annual events and key milestones)

- (i) Reflects academic journey of the last year.
- (ii) Accomplishments by the college as a team during that year.
- (iii) Accomplishments of staff, students and department (including NCC, NSS, Sports, Library, etc.) along with respective societies during the year.
- (iv) Merit and memorial prizes for the year.
- (v) College results.

Magazine (A reflection of contribution by the college team, brought out usually at the end of session or on annual day) – 'The New Star' is a multilingual (English, Hindi, Sanskrit, Urdu and Punjabi) mosaic that showcases the literary as well as academic and cultural contributions of the students and staff.

5.1.2 Specify the type, number and amount of institutional scholarships / fee concessions given to the students during the last four years and whether the financial aid was available and disbursed on time?

Yes, financial help is given to needy students in the form of fee waiver based on need and renewed in next year on the basis of academic performance. In the year 2011-12 as much as 204 students availed fee concessions ranging from 50% to full fee waiver of college fees. Course wise breakup of fee concession availed by the students reflecting a sum of Rs. 28,84,290/- has been given as concession to around 932 students in last three years.

Sl.	Name of the Programme/Course	Total Students 2012-13	Total Students 2013-14	Total Students 2014-15	Total Strength
1	B.A. Program	Breakup details not available	20	89	109
2	B.A. (H) Hindi		26	28	54
3	B.A. (H) Economics		10	3	13
4	B.A. (H) History		44	37	81
5	B.A. (H) Political Science		81	86	167
6	B.A. (H) Geography		28	25	53
7	B.A. (H) English		6	2	8
8	B.Com. Program		18	16	34
9	B.Com. (H)		28	23	51
10	B.Sc. (H) Mathematics		50	29	79
11	B.Sc. (H) Botany		9	10	19
12	B.Sc. (H) Chemistry		14	29	43
13	B.Sc. (H) Physics		21	38	59
14	B.Sc. (H) Zoology		3	3	6
15	B.Sc. Physical Science		21	25	46
16	B.Sc. Phy. Sci. (Comp. Sc.)		0	0	0
17	B.Sc. Life Science		10	14	24
	Total Number	83	389	459	931
	Total Amount (in Rs.)	2,29,080/-	10,05,680/-	16,49,530/-	28,84,290/-

Besides the above, we get some financial assistance from the VC fund (Univ. of Delhi) and the State Govt. (Delhi), details are:

S.No.	Financial Year	Vice Chancellors' Fund	State Govt.
1.	2012-13	-	14,075
2.	2013-14	33,000	6,815
3.	2014-15	33,000	7,965
4.	2015-16	40,000	15,930

5.1.3 What percentage of students receive financial assistance from state government, central government and other national agencies?

Students are updated with available schemes and opportunities. Applications are forwarded to the concerned agencies. The grants are directly sent to the student accounts. The status of disbursement is not available to corroborate/compile the data. The number of applications forwarded were 2012-13 : 11; 2013-14 : 1 & 2014-15 : 10.

5.1.4 The specific support services/facilities available for -

- **Students from SC/ST, OBC and economically weaker sections:** The College allows such students to retain library books for extended period during the examination time. Fee concession initially on the basis of financial condition of students, which is later extended based on the performance of the student in subsequent exams.
- **Students with physical disabilities:** ‘Buddy System’ entrusts student volunteers to help out differently-abled students in academic activities. The institutional support is exemplified in our efforts that have made the college campus Disabled-friendly. A collection of Braille textbooks, Braille printer, audio study material in desired formats and JAWS (reading software)-enabled dedicated computer terminals are provided to students through the Enabling Unit of the college.
- **Overseas students:** Open door policy of college administration and specially assigned dealing assistant promotes admission and integration of a large number of foreign students every year.
- **Student participation in various National and International competitions:** The Art and Culture Societies and the Sports department actively participate and win many laurels in various national and international competitions every year. Students are provided travel assistance and faculty support in these respects. Academic (Books, audio-visual resources, etc.) and infrastructural resources (playground, courts, equipment and gear) are consistently given to the team members.
- **Medical assistance to students (health centre, health insurance, etc.):** Medical room facility with a fully trained, qualified nurse is available during the working hours in the college. Besides that, the proximity of the college to the best institutions of public health like Safdarjung Hospital/AIIMS has been a blessing in rare instances of extreme trauma or emergency.
- **Organizing coaching classes for competitive exams:** Presently coaching classes for competitive examinations have been discontinued. However, library has been focusing on competitive examinations and career options available after graduation. Specific financial allocation has been made by the Library Committee in recent years to build and expand the book-base for serving such a purpose.
- **Skill development (spoken English, computer literacy, etc.):** The College offered the English Language Proficiency course as a Remedial/Bridge initiative under the auspices of ILLL (institute of Life Long Learning), University of Delhi in the previous years. We have three fully functional

computer literacy in the college immensely.

- **Support for “slow learners”:** Teachers themselves cater to the need of slowlearners.
- **Exposures of students to other institution of higher learning/ corporate/business house etc.:** Regular Field trips, educational/industrial tours are integral part of the academic sphere in the college.
- **Publication of student magazines:** Yes, in the form of college magazine. In addition to this, students often publish ‘wall magazines’ in the vibrant tradition of Little Magazines.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

As per MOU with NSDC, college students actively participate in Skill Oriented Courses and are placed in jobs by concerned agencies. During the current academic session, students have taken up the 'Start up' initiative in different fields.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities, etc.

- The Art & Culture society, the departmental societies & the sports department provide such facilities for students. Several prizes have been won by them in inter college & national events. NSS
- NCC
- Student Advisory Board
- Women Development Cell (WDC)
- Placement Cell
- Adventure and Nature Club
- Society of different departments (*Bengali Society, Botany Society, Chemistry Society, Computer Science Society, Economics Society, English Society, Geography Society, Hindi Parishad, History Society, Mathematics Society, Philosophy Society, Physics Society, Political Science Society, Punjabi Society, Sanskrit Society, Urdu Society & Zoology Society*)
- Enabling unit for PwD students
- North East Student Society
- Art and Culture Society
- Dramatics Society (Astitva)
- Art and Craft Society (Jamini)
- Debating Society
- Sports Society
- Fashion Society (Glamouratti)
- Gandhi Study Circle and WUS
- Films and Photographic Society (XPOSURE)
- College Student Union

5.1.7 Enumerate the support and guidance provided to the students in preparing for the competitive exams. Give details of the number of students appeared and qualified in various competitive exams such as UGC-CSIR-NET, UGC-NET, SLET, GATE/CAT/GRE/TOFEL/GMAT/Central/State services, Defence, Civil Services, etc.

Details not available as our college is primarily an undergraduate institution

5.1.8 What type of counselling services are made available to the students (academic, personal, career, psycho-social, etc.)?

A number of types of counselling is available in the college either in formal or informal mode. Teachers do counsel students. Career counselling sessions by trained professionals are held in every academic session. In the formal mode, regular weekly psychological counselling is done in association with an NGO through professional experts. Informal counselling by the faculty is available to all students at various levels of the teaching-learning process.,

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

Yes. Fully functional placement cell. This cell comprises a teacher Coordinator and final-year student coordinators. A dedicated team of students looks after the day to day affairs of the Placement cell. The cell is active in organising seminars, workshops and extensive placement drives. The college cell also works in coordination with the University Placement cell in drawing up the placement calendar and inviting the recruiters. Previously, the concept of 'In-college training and subsequent placement' model was also successfully undertaken.

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

Yes. N.A.

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual (gender) harassment?

Internal Complaint Committee (ICC) as per the statutory provisions is in place to address the issues.

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

Yes. No case of ragging has been reported during the last four years.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

NCC, NSS, Placement cell, Art & Culture, Departmental Societies, NSDC Courses, MOU with NII (Science Setu Programme), fee concession to economically weaker students and Online Fee submission.

5.1.14 Does the institution have a registered Alumni Association? If ‘yes’, what are its activities and major contributions for institutional, academic and infrastructure development?

Yes. Regular meeting of the Alumni Association is held in the college. The alumni promote college students through referrals which help in their placement. Alumni at times join us in sharing their experiences and expertise in the field.

5.2 Student Progression

5.2.1 Provide the percentage of students progressing to higher education or employment (for the last four batches). Highlight the trends observed.

No formal data available for student progression. As it is an undergraduate college so students just move out after their graduation. Campus placement record is as per the details given by the placement cell and published in annual reports annually.

5.2.2 Provide details of the programme-wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university). Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

Course	Year	Pass %			
		2012	2013	2014	2015
B.A. (Prog.)	III	73	44.8	31	49.1
	II	83	97.4	91	-
	I	98	90.5	-	70.8
B.Com. (H)	III	84	86	75	73.36
	II	82	99	96	97.97
	I	82	91	98	95.75
B.Com. (Prog.)	III	97	99	79	60.84
	II	92	99	84	-
	I	84	90	-	96.61
B.Sc. (Prog) Physical Science	III	30	17	32	21
	II	81	88	61	-
	I	71	73	-	82
B.Sc. (Prog) Life Science	III	29	50	28	39
	II	59	85	93	-
	I	82	89	-	95
B.Sc.(Prog) Applied Phy. Sc. (Computer Sc.)	III	35	39	38	34
	II	74	93	85	-
	I	83	78	-	91
B.Sc. (H) Zoology	III	100	31	60	56
	II	100	90	92	90
	I	84	83	93	86

B.Sc. (H) Botany	III	95	60	42	62
	II	88	97	85	92
	I	75	72	91	96
B.Sc. (H) Chemistry	III	75	45	45	49
	II	85	83	80	99
	I	79	77	100	98
B.Sc. (H) Physics	III	86	54	33	45
	II	72	91	88	96
	I	94	85	95	92
B.Sc. (H) Maths	III	94	91	42	32
	II	91	93	87	94.79
	I	82	79	96	94.35
B.A. (H) Economics	III	88	95	50	56.25
	II	90	98	88	84.52
	I	85	78	98	92.99
B.A. (H) English	III	83	76	66	80.48
	II	98	98	100	100
	I	82	88	95	84.91
B.A. (H) Geography	III	90	95	85	78
	II	100	100	96	96
	I	100	88	91	82.45
B.A. (H) Hindi	III	97	91	58	55.3
	II	95	90.7	93	91.1
	I	82	90.5	92	90.3
B.A. (H) History	III	82	80	58	39.3
	II	74	95.2	83	93.6
	I	66	70.4	93	68.4
B.A. (H) Pol. Science	III	98	93	64	69.7
	II	96	95.8	95	95.2
	I	87	90	94	90.2

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

Counselling and general guidance by teachers about the post graduate programmes and other career prospects motivate and enable students immensely. Many of our students have opted for post graduate programmes after graduation but there is lack of data. We intend to take a new initiative to address this paucity of data which will contribute to the closer integration of the institution and the beneficiary students. The fully functional placement cell in the college play a key role in bringing more and more opportunities of employment for the students at their doorstep.

5.2.4 Enumerate the special support provided to students who are at risk of failure and dropping out?

Counselling along with all possible encouragement and support (including fee concession) is offered to the students to improve the results and to avoid the dropout cases.

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

- NSS- Blood donation, social awareness and cultural activities.
- NCC- Republic Day Parade, Blood donation, social awareness & cultural activities etc.
- **Women Development Cell (WDC)**
- **Placement Cell** - Placement coordination and career counselling etc.
- **Adventure and Nature Club-**
- **Society of different departments -**
- Bengali Society
- Botany Society
- Chemistry Society
- Computer Science Society
- Economics Society
- English Society
- Geography Society
- Hindi Parishad
- History Society
- Mathematics Society
- Philosophy Society
- Physics Society
- Political Science Society
- Punjabi Society
- Sanskrit Society
- Urdu Society
- Zoology Society
- Enabling unit for PwD students
- North East Student Society
- Art and Culture Society
- Dramatics Society (Astitva)
- Art and Craft Society (Jamini)
- Debating Society
- Sports Society
- Fashion Society (Glamouratti)
- Gandhi Study Circle and WUS
- Films and Photographic Society (XPOSURE)

Societies are active round the year in college and take part in the competitions held

at inter/intra college level. College fest **Priyadarshini** is organised annually to show case the talent of youth in college life.

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.

Year	NCC	Sports	Societies (Art, Culture, Music, Dance, Drama, Photography Society)	Other Awards (Debate, Quiz etc.)
2014-15	25	26	120	22
2013-14	18	16	30	7
2012-13	15	20	17	20
2011-12	20	32	39	8

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

- Open Door Policy (Walk-in Offices including the office of Principal for interaction).
- Suggestion/Complaint Box.
- Periodic Meeting with Students of all courses by the Principal.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

Students get involved in the activities through the various societies and college magazine committee. College magazine is a joint effort of students and teachers. In addition to this newsletters are also published by various societies to compile their activities and express their talents.

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

Yes. Five office bearers of the college student union and two (Central Councillors (CC)) for the Delhi University Student Union (DUSU) are elected. Further college students also participation in the process of election of Delhi University Student Union (DUSU). The student union consists of following office bearers elected through annual elections-

- President
- Vice President,
- Secretary,
- Joint Secretary

➤ Treasurer

UNDERTAKING BY THE CANDIDATE

Every candidate solemnly declare that:

1. Age is between 17 years to 22 years and shall not exceed the age of 22 years as on qualifying date
2. Have not been convicted/Charge sheeted/tried of any criminal offence or misdemeanour including moral turpitude nor have been punished by the University/College for an act, which is coercive in nature and constitutes a threat to life and property.
3. Have not been found guilty to and punished for the use of unfair-means in any examination of a University or Board.
4. Have read the Code of Conduct overleaf for these elections and I shall abide by it. I undertake that any lapse on my part in following this Code of Conduct will automatically disqualify me for this election.
5. Shall attach a copy of fee slip for 2015-16, date of birth certificate, copy of mark sheet of last exam passed, college Identity card duly renewed (or verification of self-particulars and photo on plain paper by course dealing assistant).
6. Have not contested for any post of office bearer in DUSU/College Election earlier and I am not contesting for more than one post of office bearer of Students council now
7. Shall abide by the constitution for college Student's Council, the Constitution, D.U.S.U code of conduct and Lyngdoh committee recommendation.
8. Have not completed more than 7 years from the 1st July of the calendar year of passing 10+2 examination to the 30th June immediately preceding the election.
9. Do not have any academic arrears i.e. to say that there is no pending paper(s) to be cleared by me and full-fill the criteria of 45% marks in the previous both semesters cumulative
10. Have attained the minimum attendance i.e. 75% in my preceding year of the course.
11. Amendment/revision if any, in respect of Election 2015 received from the University in due Course will be binding on me
12. Shall not exceed expenditure limit of Rs.5,000/
13. Have not failed in the preceding academic year and/ or readmitted in the current year.

Code of conduct for candidates for the election to Dyal Singh College student's council and office bearers of DUSU

The Following Code of Conduct has to be observed for free and fair election.

1. Public address system and beating of drum is not allowed inside or in the vicinity of college before and after elections.
2. No candidates shall invite and involve outsiders including ex-students in the elections.
3. No pressure or intimidation shall be exercised in promoting one's candidature.
4. The candidates shall not use the name or prestige of any teacher in promoting his/her candidature.
5. There will be no hijacking of buses either inside or outside the college by the candidate or their supporters on any pretext whatsoever.
6. Candidates found gambling, smoking and drinking or indulging in any unlawful activities like violence and damages to the college property will be debarred from the election in addition to any punishment under the discipline rules of University of Delhi.
7. Entry to the college will be regulated by Identity Cards.
8. No candidate or any student will protest if any candidate is debarred from contesting the election, if he/she violates the Code of Conduct.
9. The maximum permitted expenditure per candidate shall be Rs.5000/-. Each candidate shall, with in two weeks of declaration of the result, submit complete audited accounts to the college.
10. No candidate shall indulge in, nor shall abet, any activity, which may aggravate existing difference or create mutual hatred or cause tension between different castes and communities, religious or linguistic, or between nay group(s) of students.
11. Criticism of other candidates, when made, shall be confined to their policies and programs, past record and work. Candidates shall refrain from criticism of all aspects of

private life, not connected with the public activities of the other candidates or support of such other candidates. Criticism of other candidates, or their supporters based on unverified allegations or distortion shall be avoided.

12. There shall be no appeal to caste or communal feelings for securing vote. Places of worship, within or without the campus shall not be used for election propaganda.

13. All candidates shall be prohibited from indulging or abetting all activities which are considered to be 'corrupt practices and offences, such as offering gifts, bribing of voters, impersonation of voters, canvassing or the use of propaganda within 100 meters of polling station, in person or through mobile phone/ electronic device, holding public meeting during the period of 24 hours ending with the hour fixed for the close of the poll, and the transport and conveyance of voters to and from polling stations.

14. No candidate shall be permitted to make use of printed posters, printed pamphlet, or any other printed materials for the purpose of canvassing. Candidates may only utilize handmade posters for the purpose of canvassing, provided that such handmade posters are procured within the expenditure limit set out herein above.

15. Candidates may only utilize handmade posters at certain places in the campus, which shall be notified in advance by the College authority.

16. No candidate shall be permitted to carry out procession, or public meeting, or in any way canvass or distribute propaganda outside the university/college campus.

17. No candidate shall, nor shall his/her supporters, deface or cause any destruction to any property including that of the university/college campus, for any purpose whatsoever, without the prior written permission of the college/university authorities. All candidates shall be held jointly and severally liable for any such destruction/defacing of any property.

18. During the election period the candidates may hold processions and/or public meetings, provided that such processions and/or public meetings do not, in any manner, disturb the classes and other academic and co-curricular activities of the college/university. Further, such procession/public meeting not be held without the previous written permission of the college/university authority.

19. The use of loudspeakers, vehicles and animals for the purpose of canvassing shall be prohibited.

20. On the day of polling student organizations and candidates shall-

- i. Cooperate with the officers on election duty to ensure peaceful and orderly polling and complete freedom to the voters to exercise their franchise without being subjected to any annoyance or obstruction;
- ii. Not serve or distribute any eatable, or other solid and liquid consumables, except water on polling day;
- iii. Not hand out any propaganda on the polling day.

21. Excepting the voters, no one without a valid Identify card /pass/ letters of authority from the college/university authorities shall enter the polling booths.

22. Any contravention of any of the above recommendation may make the candidate liable to be stripped off his candidature, or his elected post, as the case may be. The college/University authorities may also take appropriate disciplinary action against such a violator. Any act of violation of the above shall constitute an act of indiscipline as per ordinance XV (b) of the University. The election of the candidate will be nullified in the event of non-compliance with any of the above rules/guidelines or in the event of any excessive expenditure.

Activities and Funding- Student Union is a practice in parliamentary political process. Students' Union has a fund allocated to it by the College. Beside, the Union also mobilizes sponsorships from outside agency, which depends upon the event and activity it is organizing.

Outreach Programmes	FY	Fund allocated (In Rs)
Extra-curricular activities	2015-16	7,00,000
	2014-15	6,71,026
	2013-14	5,00,000
	2012-13	5,05,844
Social Functions	2015-16	5,60,000
	2014-15	5,14,000
	2013-14	2,98,000
	2012-13	1,97,000
NCC and NSS	per annum	1,00,000

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

Student participation is encouraged at many levels such as Student Council, Internal Complaints Committee, College Magazine, Departmental and other societies etc.

- NSS
- NCC
- Student Advisory Board
- Women Development Cell (WDC)
- Placement Cell
- Adventure and Nature Club
- Society of different departments (Bengali, Botany, Chemistry, Commerce, Computer Science, Mathematics, Urdu, Zoology etc.)
- Enabling unit for PwD students
- North East Student Society
- Art and Culture Society
- Dramatics Society (Astitva)
- Art and Craft Society (Jamini)
- Debating Society
- Sports Society
- Fashion Society (Glamouratti)
- Gandhi Study Circle and WUS
- Films and Photographic Society (XPOSURE)
- Gender Champion Group
- Grievance Redressal Committee
- College Student Union

Departmental societies are mainly run by the students round the year, their activities/achievements are reflected in annual magazine and annual reports.

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

Regular meetings are held in college campus. A serving faculty member coordinates the events and helps to maintain the related database. Currently Mr. Sandeep Mehta, Director Physical Education department is looking after this responsibility. A grand gathering of alumni was held recently on 6th March 2016.

Dyal Singh College (University of Delhi), Lodhi Road, New Delhi – 110 003
Self-Study Report

CRITERION - VI

GOVERNANCE, LEADERSHIP AND MANAGEMENT

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CRITERION-VI GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

The vision of the college is guided by the motto that exhorts everyone, "gather ye the wisdom of East and West". Taking cue from the stress on 'wisdom', the college strives to deliver comprehensive, quality education to all sections of students, instill passionate commitment to knowledge and inculcate professionalism imbued with human values and ethics in a holistic manner. This, we believe, will equip our students to meet the challenges of the society and life. For the same, the college works at various levels: -

- It provides an effective and accessible system of regular teaching and learning work, for which the college has a large campus and rich library with a good collection of text & reference books, a host of journals and magazines and reading room space for students and teachers.
- We have a fully Wi-Fi enabled Campus and Computer Resource Centre (having 80 computers), a facility available to all the students of the college to meet their general needs pertaining to computers. Also, in addition we have 100 more computers in different labs.
- A number of scholarships and financial aid are provided to meritorious and needy students every year.
- During the admission, we give relaxation (usually 3%) in cut off percentage for the girls to address the gender equity.
- The college follows the reservation policy for admission of SC/ST/OBC/PWD candidates as per the Govt. of India policy.
- We have a special forum to address the issues of the students coming from the North East region of the country.
- The college promotes, N.C.C. (Boys and Girls), N.S.S. and a number of cultural and sports activities.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

The college is a constituent college of the University of Delhi, maintained fully by the University of Delhi, and has the Governing Body (GB) at the top of its management. Besides the Principal being member secretary of the GB, two faculty members, in the capacity of teacher representatives, are members of the GB. The teachers, through staff council participate in deliberations and recommendation of various policy matters, in line of which and by its cognizance the GB takes necessary policy decisions to sustain and enhance the quality of education imparted

by the college. The Principal looks into the execution part of the same with the help of teaching and administrative staff.

For day-to-day functioning of the college, the Principal is supposed to ensure that the provisions of the University Ordinances, the Statutes and the Regulations are observed. Being the Head of the Institution, the Principal, is responsible for both the academic and administrative functioning of the college. He prepares the agenda for the Governing Body meetings and places before the Governing Body the academic and administrative matters requiring the Body's approval and is responsible for executing its decisions. He is also responsible for all the correspondence with the Governing Body, University Grants Commission, University of Delhi and different stakeholders of the college.

- Formulation of guidelines for student's union advisory committee, and also, regarding the discipline of the students.

As per University of Delhi Ordinance XVIII, we have Staff Council in our college. All members of the teaching staff, the Librarian and the Director of Physical Education constitute the Staff Council. Subject to the provision of the Act, the Statutes and the Ordinances of the University, the Principal acts as Principal-in-Council and staff council elects the secretary amongst its members. The Staff Council is supposed to debate, discuss and recommend on non-financial issues to the Principal/Chairman in Council, and it functions through its various committees. The Staff Council takes decisions in respect of the following matters:

- Preparation of College time -table.
- Allocation of extra-curricular work of teachers not involving payment of remuneration.
- Organizing extra-curricular activities, including cultural activities of students, sports, National Service Scheme (NSS) and other social services schemes and academic societies.
- Laying down guide-lines for purchase of library books and laboratory equipment in consultation with the appropriate departments
- Organizing admission of students.
- Subject to the provision of the Act, the Statutes and the Ordinances of the University, the Staff Council shall also make recommendation in respect of following matters:
- Formulations of recommendations on introduction of new teaching posts in the Departments and expansion of existing departments.
- Formulation of admission policy within the framework of the policy lay down by the University.

6.1.3 What is the involvement of the leadership in ensuring :

- **the policy statements and action plans for fulfillment of the stated mission**
- **formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**
- **Interaction with stakeholders**

- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**
- **Reinforcing the culture of excellence**
- **Champion organizational change**

As per University of Delhi Ordinance XVIII, we have Staff Council in our college. All members of the teaching staff, the Librarian and the Director of Physical Education constitute the Staff Council. Subject to the provision of the Act, the Statutes and the Ordinances of the University, the Principal acts as Principal-in-Council and staff council elects the secretary amongst its members. The Staff Council is supposed to debate, discuss and recommend on non-financial issues to the Principal/Chairman in Council, and it functions through its various committees. The Staff Council takes decisions in respect of the following matters:

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 - Formulations of recommendations on introduction of new teaching posts in the Departments and expansion of existing departments.
 - Formulation of admission policy within the framework of the policy laid down by the University.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

The Principal in coordination with Staff Council, its different Committees, Teachers in-charges, NSS & NCC program officers monitor time to time all the institutional activities and evaluates policies and plans of the college for effective implementation and improvement. It is worth mentioning the committees, which play an important role regarding the same - Building Committee, Fee Structure Recommendation Committee, PF Committee and Leave Committee. For academic issues initiatives are taken at the departmental level, where the issues like the coverage of syllabus, planning and organization of seminars/lectures, etc. and additional academic activities are discussed. The administrative staff is given a job map along with the roles and responsibilities. Also, the issues regarding Laboratories are discussed involving teachers, lab staff and the Principal.

6.1.5 Give details of the academic leadership provided to the faculty by the top

management?

Provision of Staff Council is in the spirit of participative management. Faculty members make their contribution to the academic and corporal structure of the college by involving themselves in different committees of Staff Council, viz.: - Admission Committee, Admission Grievance Committee, Anti-Ragging Committee, Special Categories Admission Enabling Committee, Smoke Free Campus Committee, Time Table Committee, Library Committee, Internal Assessment Monitoring Committee, Environment Committee, Maintenance Committee, Canteen Committee, Arts and Culture Committee, College Magazine Committee, and Student Union Advisory Committee. Academic Committee takes care of the implementation of all courses by taking into account the availability of human resource and other infrastructural needs, subject to the final approval by the GB. Committees are constituted a fresh every academic year. Committees consist of senior and young faculty members. It helps them to share and learn leadership qualities.

There is a provision for a teacher-in-charge in each department by rotation irrespective of seniority for a period of one year in the healthiest tradition of participative management. Teacher in-Charge coordinates and provides the fulcrum for different administrative activities of the department – admissions, running of departmental societies, work load and time table, etc. Teacher-in-Charge also participates in the appointment of guest, Ad-hoc and permanent faculties in the concerned department.

To groom leadership among the students the Principal and the faculty members remain intensively engaged throughout the year. The students remain in the forefront of the academic, cultural and sports activities at all levels. They also make their strides in the national level competitions (academic, sports and cultural). Students elect their representatives through democratically conducted elections to the College Students Union as well as to the Student Societies and departmental forum. The members of the College Students Union and Departmental societies take part in the day-to-day activities of the College.

6.1.6 How does the college groom leadership at various levels?

Provision of Staff Council is in the spirit of participative management. Faculty members make their contribution to the academic and corporal structure of the college by involving themselves in different committees of Staff Council, viz.: - Admission Committee, Admission Grievance Committee, Anti-Ragging Committee, Special Categories Admission Enabling Committee, Smoke Free Campus Committee, Time Table Committee, Library Committee, Internal Assessment Monitoring Committee, Environment Committee, Maintenance Committee, Canteen Committee, Arts and Culture Committee, College Magazine Committee, and Student Union Advisory Committee. Academic Committee takes care of the implementation of all courses by taking into account the availability of human resource and other infrastructural needs, subject to the final approval by the GB. Committees are constituted a fresh every academic year. Committees consist of senior and young faculty members. It helps them to share and learn leadership qualities.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

There is a provision for a teacher-in-charge in each department by rotation irrespective of seniority for a period of one year in the healthiest tradition of participative management. Teacher in-Charge coordinates and provides the fulcrum for different administrative activities of the department – admissions, running of departmental societies, work load and time table, etc. Teacher-in-Charge also participates in the appointment of guest, Ad-hoc and permanent faculties in the concerned department.

6.1.8 Does the college promote a culture of participative management? If ‘yes’, indicate the levels of participative management.

In fact, our college promotes a participatory management culture in all activities. A beautiful example of participative management in our college is the Thrifts & Credit Society of Dyal Singh College, running successfully for last 45 years (since July 1972), which acts under the Registrar of Thrifts & Credit Societies, and has been given an operational autonomy by the college management. Another example for the same is PF Committee.

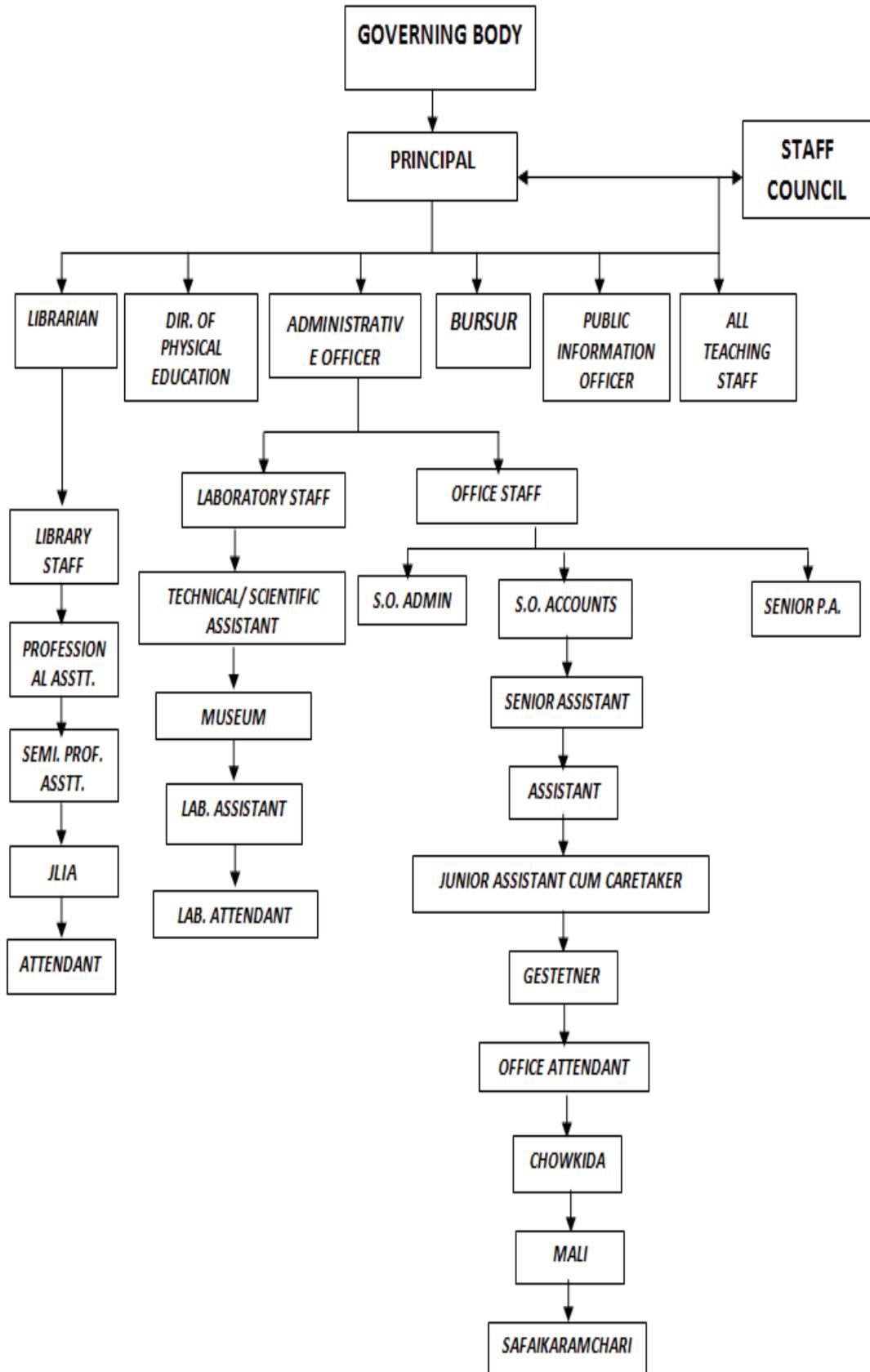
6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

The college has a perspective plan document for its infrastructural development. To meet the requirements of physical infrastructure needed, the college has got ready a new four-storied Science block consisting of 4 classrooms, and 11 laboratories, 3-faculty rooms and a research lab. Also, the college got made 15-ecofriendly bamboo and porta cabin rooms, and five tutorial rooms in recent years. To make the college campus accessible, lift, ramp, handrails, tactile tiles and washrooms for differently abled have been added to the college infrastructure. Steps have been initiated to have an efficient treatment plant, piped natural gas connection for science labs and canteen, and a solar power plant in the college in near future. The college has also planned to add new science block consisting of classrooms and science laboratories. Presently the college has 54 class rooms, 15 science labs, 07 computer labs, 11 tutorial rooms, 1 seminar hall, girls common room, auditorium, amphitheater, staff room, faculty rooms, cafeteria and facilities for differently abled. A massive renovation and retro fitment work has been undertaken in the college to improve the old academic block. Master plan for the construction of new science block has been approved by MCD. Construction of the same will start soon.

6.2.2 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

The college has a well-defined organizational structure, as is being depicted in the below given chart.



6.2.3 Describe the internal organizational structure and decision-making processes.

The college is a constituent college of the University of Delhi, maintained fully by the University of Delhi, and has the Governing Body (GB) at the top of its management. Besides the Principal being member secretary of the GB, two faculty members, in the capacity of teacher representatives, are members of the GB. The teachers, through staff council participate in deliberations and recommendation of various policy matters, in line of which and by its cognizance the GB takes necessary policy decisions to sustain and enhance the quality of education imparted by the college. The Principal looks into the execution part of the same with the help of teaching and administrative staff.

For day-to-day functioning of the college, the Principal is supposed to ensure that the provisions of the University Ordinances, the Statutes and the Regulations are observed. Being the Head of the Institution, the Principal, is responsible for both the academic and administrative functioning of the college. He prepares the agenda for the Governing Body meetings and places before the Governing Body the academic and administrative matters requiring the Body's approval and is responsible for executing its decisions. He is also responsible for all the correspondence with the Governing Body, University Grants Commission, University of Delhi and different stakeholders of the college. Formulation of guidelines for student's union advisory committee, and also, regarding the discipline of the students. As per University of Delhi Ordinance XVIII, we have a Staff Council in our college. All members of the teaching staff, the Librarian and the Director of Physical Education constitute the Staff Council. Subject to the provision of the Act, the Statutes and the Ordinances of the University, the Principal acts as Principal-in-Council and staff council elects the secretary amongst its members. The Staff Council functions through its various committees. The Staff Council takes decisions on various matters (*please refer point no. 6.1.2*).

6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

- **Teaching & Learning**
- **Research & Development**
- **Community engagement**
- **Human resource management**
- **Industry interaction**

The college has a perspective plan for its academic and extra-curricular development and an effective process is deployed for the timely and effective execution of such plans.

- **To improve teaching and learning**, the College provides modern teaching aids like LCD projectors, well-equipped laboratories, well-stocked library with reading room & accessible to all internet facility. The college always motivates the different departments to hold academic activities and expose our students to the subject area experts from other institutions.

- **To improve the quality in Research & Development**, the College encourages the teachers to submit research projects to various funding agencies. The faculty members are also encouraged to participate and organize seminars/ workshops/ conferences / symposiums. The College invites eminent scientists to deliver talks and provide a free platform to interact with the area experts. Worth quoting is that presently there are 16 projects (amounting to a net funding of Rs. 1.14 crore) running in the college, being funded by the agencies like – DST, UGC, DBT, CSIR, ICSSR, DU, etc. Noteworthy is the involvement of undergraduate students in innovation projects under the mentorship of faculties from different disciplines. The college has MoU with National Institute of Immunology (NII), New Delhi to promote scientific temperament among students.
- **Community Engagement**, NCC and NSS units of the college undertake community service linked activities, viz. blood donation, environmental awareness, health-hygiene awareness and tree plantation etc. Students and staff have been actively participating in Swachh Bharat Abhiyan, unity run, good governance and other such initiatives.
- **Sports**, the college has a thriving sports culture. As many as 13 number of sports are being played by the students at different levels – Inter-College, Inter-University, Zonal, State and National Level. Specifically, it is to be mentioned that for the last 3 years in a row the college has successfully hosted the Inter-College Boxing Championship, and our college in a row, for last 11 years has been the Champion for the same. Also, recently in 2015-16 our students have bagged 1 Gold, 1 Silver (Men) and 2 Silver (Women) in shooting at the State level.
- **Arts and Culture** society of the college takes the initiative of tapping the talent of students in the field of dance, drama, music, photography, fine arts and fashion. Students have been participating in competitions at the national level and won several prizes. The activity of the society clearly reflects the round the year preparations and hard work of the students.
- **Adventure Club** organizes annual expedition to remote and difficult areas for a group of students so that they may interact with the local people there and become aware of the social setting of that very area. This annual event is very much enjoyed by the team members.
- **Human Resource Management & Industry Interaction-** The Placement Cell of the College explores the global trends in employment opportunities in various sectors and invites experts from industry to interact with students. During the last three years, as per the available data, 197 students have got placement in the companies like KPMG, E&Y, Concentrix, ICICI, Oberoi group, Wipro, RNF Technologies, L&T, Nodwin, CIBC, Genpact, TCS, Decathlon, IACT Global, Store Hippo, The Anti Alias, Infollion, Edutools, Studymate, etc. packages ranging anywhere from Rs.1.8 lacs to Rs. 2.8 lacs.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

Formal mechanism of feedback is not in place. But informally the same is in place at multiple levels and direction.

- i. Regular meetings with all classes in each semester- As a regular practice a meeting is scheduled with all the classes and all the possible issues are addressed promptly.
- ii. Constant process of open door policy to interact with students and parents- In addition to regular meetings with students on scheduled days, a well taken open door policy is also followed at most of the levels including in the office of principal. The students as well as their parents take very good use of this opportunity in benefiting or addressing their issues.
- iii. Feedback from the teachers- On certain occasions teachers do inform the principal about the difficulty of students as well as from the students. As far as difficulty of the students is concerned all possible measures are taken in order to support the students. On the other hand in case of problem from students again all possible corrective measures are taken in order to ensure the corrections of the situation.
- iv. Sharing with stakeholders- The informal feedback so gathered is utilised at various levels in order to take best use of the same in addressing the concerns of the participating/affecting parties.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

The college management encourages and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes.

In coordination with the various committees of Staff Council, the college administration tries to ensure the improvement of the effectiveness and efficiency of the institutional processes. For this, the Principal very often communicates recommendation of the different committees to the Governing Body. The committees of the Staff Council play the decision-making role in planning and implementation of activities in different areas of the College. The involvement of the administrative staff in improving the effectiveness and efficiency of the institutional processes is looked into by the Principal.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

During the previous years the major problem was faced by the students and their parents at the time of admission especially on two aspects viz., firstly long waiting time for clearing the forms which resulted in uncertainty and secondly long queue and waiting period for deposition of fees. College decided to simplify and ease the burden on the college manpower as well. Based on all round explorations two major decisions were taken-

- i. Online Fee Submission – Based on efforts and interaction with our banking partner State Bank of India, online fee submission process was initiated and found to be very successful at various levels.

- ii. Clearing Admissions Provisionally - All the admissions were provisionally allowed immediately after clearance from the Central Admission Committee. The ongoing process of document verification continued till full satisfaction in the mean time students and their parents can relax.

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If ‘yes’, what are the efforts made by the institution in obtaining autonomy?

Not applicable

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

The Institution ensure that grievances / complaints are promptly attended to and resolved effectively.

For that the college has a Grievance Committee (for financial and administrative issues), ICC (for sexual harassment of women in work place), etc. to analyse the nature of grievances, address the issues and promote a better working and interaction culture in the college. Students are provided counseling by trained psychologists round the year.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

Sl.	CASE NO.	PARTICULARS	CASE STATUS	FILED BY	DECISION
1.	W.P. (C) NO. 3113/2012	HEENA BAHAL VERSUS UNIVERSITY OF DELHI AND ANR.	DECIDED ON 19/01/2012	Filed by Petitioner against College	In favour of College
2.	W.P. (C) NO. 5958/2012	ISHU GUPTA VERSUS UNIVERSITY OF DELHI AND ANR.	DECIDED ON 17/12/2012	Filed by Petitioner against College	In favour of College
3.	W.P. (C) NO. 3139/2012	VIJAY INDER SINGH BAINS VERSUS UNIVERSITY OF DELHI AND ANR.	DECIDED ON 16/08/2012	Filed by Petitioner against College	In favour of College
4.	W.P. (C) NO. 5321/2012	ARCHIT KOTHARI AND ORS VERSUS UNIVERSITY OF DELHI AND ANR.	DECIDED ON 19/10/2012	Filed by Petitioner against College	In favour of College
5.	W.P. (C) NO. 2981/2012	HARSHIT PERIWAL VERSUS UNIVERSITY OF DELHI AND ANR.	DECIDED ON 19/10/2012	Filed by Petitioner against College	In favour of College
6.	W.P. (C)	TANVEER SINGH KUKREJA	DECIDED ON	Filed by	In favour of

Sl.	CASE NO.	PARTICULARS	CASE STATUS	FILED BY	DECISION
	NO. 2983/2012	VERSUS UNIVERSITY OF DELHI AND ANR.	19/10/2012	Petitioner against College	College
7.	W.P. (C) NO. 4521/2014	DYAL SINGH COLLEGE VERSUS SOUTH DELHI MUNICIPAL CORPORATION AND ORS	DECIDED ON 23/07/2014	College filed against MCD	In favour of College
8.	W.P. (C) NO. 4524/2012	DYAL SINGH COLLEGE VERSUS SOUTH DELHI MUNICIPAL CORPORATION AND ORS	DECIDED ON 05/08/2014	College filed against MCD	In favour of College
9.	W.P. (C) NO. 4411/2012	ANIL KUMAR SHARMA VERSUS UNION OF INDIA AND ORS	DECIDED ON 15/05/2014	Filed by Petitioner against College and ors	In favour of College
10.	W.P. (C) NO. 803/2014	DELHI UNIVERSITY SC/ST/OBC TEACHER FORUM AND ANR. VERSUS UNIVERSITY OF DELHI AND ORS	DECIDED ON 03/02/2016	Filed by Petitioner against College and ors	In favour of College
11.	W.P. (C) NO. 7561/2012	HARSH KUMAR VERSUS DAYAL SINGH COLLEGE AND ANR.	DECIDED ON 28/10/2015	Filed by Petitioner against College and ors	In favour of College
12.	W.P. (C) NO. 3026/2012	NEHA ARORA VERSUS DELHI UNIVERSITY THROUGH ITS VICE CHANCELLER AND ANR.	DECIDED ON 06/11/2012	Filed by Petitioner against College and ors	In favour of College
13.	W.P. (C) NO. 3048/2012	SUNUR DEVRAT BHARDWAJ VERSUS UNIVERSITY OF DELHI AND ANR	DECIDED ON 06/11/2012	Filed by Petitioner against College and ors	In favour of College
14.	W.P. (C) NO. 2960/2012	SHIVAM MEHAN VERSUS UNIVERSITY OF DELHI AND ANR	DECIDED ON 06/11/2012	Filed by Petitioner against College and ors	In favour of College
15.	W.P. (C) NO. 3202/2012	KESHAV VERMA AND ORS VERSUS UNIVERSITY OF DELHI AND ANR	DECIDED ON 06/11/2012	Filed by Petitioner against College and ors	In favour of College
16.	W.P. (C) NO. 3138/2012	LIBAWO PM VERSUS UNIVERSITY OF DELHI AND ANR	DECIDED ON 06/11/2012	Filed by Petitioner against College and ors	In favour of College
17.	W.P. (C)	NISHANT GUPTA	DECIDED ON	Filed by	In favour of

Sl.	CASE NO.	PARTICULARS	CASE STATUS	FILED BY	DECISION
	NO. 3121/2012	VERSUS UNIVERSITY OF DELHI AND ANR	19/10/2012	Petitioner against College	College
18.	W.P. (C) NO. 6174/2014	AAKANKASHA VERSUS UNIVERSITY OF DELHI AND ANR	DECIDED ON 30.062015	Filed by Petitioner against College	In favour of College
19.	W.P. (C) NO. 6175/2014	AAKASH VERSUS UNIVERSITY OF DELHI AND ANR	DECIDED ON 30.06.2015	Filed by Petitioner against College	In favour of College
20.	W.P. (C) NO. 6926/2014	MANMOHAN KUMAR VERSUS UNIVERSITY OF DELHI AND ORS	DECIDED ON 21.11.2014	Filed by Petitioner against College	In favour of College
21.	W.P. (C) NO. 6325/2015	AKANKASHA VERSUS UNIVERSITY OF DELHI AND ANR.		Filed by Petitioner against College	Pending
22.	W.P. (C) NO. 6337/2015	AAKASH VERSUS UNIVERSITY OF DELHI AND ANR.	DECIDED ON 17/07/2015	Filed by Petitioner against College	In favour of College
23.	W.P. (C) NO. 3113/2012	HEENA BAHAL VERSUS UNIVERSITY OF DELHI AND ANR	DECIDED ON 19/10/2012	Filed by Petitioner against College and ors	In favour of College
24.	LPA NO. 922/2015	HARSH KUMAR DAYAL SINGH COLLEGE AND ANR.	PENDING DB. ON 19/04/2016	Filed by Petitioner against College and ors	Pending
25.	CONT.CAS (c) NO. 832/2015	DYAL SINGH COLLEGE VERSUS MANISH GUPTA AND ORS	DECIDED ON 15/07/2015	Filed by Petitioner/ College filed against the respondent /MCD	In favour of College
26.	LPA NO. 606/2014	UNERSITY OF DELHI VERSUS ANIL KUMAR SHARMA AND ORS	PENDING ON 29/03/2016 (DB)	Filed by Petitioner against respondent AND College	Pending
28.	W.P. (C) NO. 6762/2011	S.K. LAROIYA AND ORS VERSUS U.O.I AND ORS	DECIDED ON 15/04/2014	Filed by Petitioner against College and ors	In favour of College
29.	LPANO. 645/2014	UNIVERSITY OF DELHI VERSUS S.K.LAROIYA AND ORS	PENDING ON 29/03/2016 (DB)	University filed the Respondents and college	Pending

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If ‘yes’, what was the outcome and response of the institution to such an effort?

There is no such formal mechanism for analysing student feedback on institutional performance. But the analysis is made by the teachers at the departmental level, viz., for the performance of students in the class tests, assignments, presentations, practical lab work and their performance in the University examination, so that the following batches of students can be better guided. An annual report is compiled by the college giving an overall view of the performance of our students in their academics, sports, art and culture, NCC, NSS, etc. Also, the students are free to directly interact with the principal and drop their complaints / suggestions in a box. Their valuable feedback is used to improve the functioning of the college.

6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non-teaching staff?

- (i) The efforts made by the College to enhance the professional skill of its teaching staff are:
 - To encourage faculty members to attend academic development programs like, Orientation Programs, Refresher Courses, seminars, workshops and conferences, etc. the college provides duty leave and possible/limited financial support to attend such programs.
 - Encourage the teachers to apply for research projects to various funding agencies, and provides them possible infrastructural support for the same.
 - Faculty members are also motivated to join for M.Phil. and Ph.D. courses. For the same college provides them study leave.
- (ii) The non-teaching staff members of administrative office, laboratories and library are encouraged to attend the training programs organized very often at the level of University, or by other institutions, to enhance their office management skills, laboratory proficiency and library literacy.
- (iii) Often, the computer skill development programs are organized at the university and college level for teaching and nonteaching staff to get them equipped with the modern technologies/trends related to their area of interest.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

- (i) Teaching staff -
 - Encouraged to attend academic development programs like, Orientation

Programs, Refresher Courses, seminars, workshops and conferences, etc. the college provides duty leave and possible/limited financial support to attend such programs.

- Encouraged to apply for research projects to various funding agencies, and provides them possible infrastructural support for the same.
- Also motivated to join for M.Phil. and Ph.D. courses. For the same college provides them study leave. During last four years, nearly 15 number of faculty members have availed this facility for varied durations.

(ii) Non-teaching staff –

- Members of administrative office, laboratories and library are encouraged to attend the training programs organized very often at the level of University, or by other institutions, to enhance their office management skills, laboratory proficiency and library literacy
- Encouraged to join higher studies.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

It is a regular feature to summarize/compile the achievements of both teaching and non-teaching staff as well as students and publish in the form of annual report of the year.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

The performance appraisal system for the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

- (i) For the teaching staff, care is taken at the level of the University to design and suggest the guidelines for promotion to the next grade or designation. Under Performance Based Appraisal System (PBAS) faculty member submit the API score Performa for the same purpose. Some of the components of the API score Performa are:
 - General information and academic details
 - Teaching learning evaluation related activities
 - Co-curricular, extension and professional development related activities
 - Research and academic contributions
 - Training courses, conference, seminar, workshop and paper presentations, etc.
- (ii) For the non-teaching staff we have Departmental Promotion Committees, Assured Career Progression, Limited Departmental Examination Mode in

place. Their performance appraisal is done as per set norms by competent official.

6.3.5 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

The College has several welfare schemes for its teaching and non-teaching staff viz., Medical leave, Group Insurance Scheme, Medical Reimbursement, Child Care Leave, Duty leave, Study leave, HTC and LTC as per the rules of University of Delhi and the Central Government. Almost all the staff members as per their need(s) and eligibility have availed the benefit of such schemes during the past years. Also, we have a provision for the ward quota in admissions (supernumerary). A qualified nurse and medical room are in place to medical needs of students and staff.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

Care of employees taken by the institution.

Our institution takes sustained interest in recruitment and promotion aspects of its employees. The college being a constituent college of the University of Delhi follows all the rules and regulations of the University. The institution adheres to the Govt. of India /University of Delhi policies on recruitment of staff keeping in view the academic and other eligibility qualifications differing from post to post, reservation aspect, gender equality and physical disability.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

Management of the financial resources

Our college is a University of Delhi maintained institution and gets 100% of its financial support from UGC. The college has budgetary provisions for academic and administrative activities and efforts are being made to make an optimum utilization of the available funds. For that the financial resources of the college are managed in a very effective and efficient way. For example, the college is always open to all the departmental suggestions and asks them to place their requirements well in advance so that throughout the session all academic activities are done smoothly. The requirements are discussed at the level of Departmental Purchase Committee and further action is taken to make a justified use of funds following financial rules for procurement of books and lab equipment, etc.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

As mentioned above, the primary and main source of funding is the Government only. Besides that during the time of admission, some amount is collected as the admission fee to meet some expenses to be made for the students for the purpose of laboratories, library, etc. to improve student amenities. A nominal development charges is also a part of the admission fee. Beside that very often, whenever some non-routine academic and co-curricular activities are organized at the level of individual departments or the college, attempts are also made to get some sponsorships through account payee cheques from the private players. Other than the mentioned resources, the College as such has no source of additional funding, and we fully depend on the grant received from UGC. In addition to gran in aid from UGC indirect sources of funds are tabulated for the last four years duration. Indirect income consists income from fees & subscription, income from investment, income from sales services, electricity/water charges (shared with evening college) and others as detailed below.

Indirect Income Statement of the college for 1.1.2011 to 31.03.2015								
Particulars	Indirect Incomes		Indirect Incomes		Indirect Incomes		Indirect Incomes	
	1-Apr-2011 to 31-Mar-2012		1-Apr-2012 to 31-Mar-2013		1-Apr-2013 to 31-Mar-2014		1-Apr-2014 to 31-Mar-2015	
	Closing Balance		Closing Balance		Closing Balance		Closing Balance	
	Debit	Credit	Debit	Credit	Debit	Credit	Debit	Credit
Electricity/Water Charges (Shared)		2986098		3866808		3820283		4134573
Fee & Subscription Income		2057254		2100460		2416485		3132381
Grants Received		272883000		364177314				
Income From Investment		664196						
Income From Sales/Services		285159		25288		97832		1605531
Income Other Than Maintenance Account		124500		539649		6341264		
Maintenance Grant - UGC						315703000		438083000
Other Income		5144202		4378902		5869009		8332165
License Fee		10500		7500		25000		25000
Pension Contribution for EOL								74752
Grand Total		284154909		375095921		334272873		455387402

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

The institutional mechanisms for internal and external audit

The internal audit is done by the Audit Committee of the University of Delhi every year. External audit is conducted by "The office of the Director General of Audit Central Revenues" (AGCR). The last audit was done in November, 2015.

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

The college encourages the faculty members to undertake research activities. The funds so received indirectly facilitate the infrastructural development of the college. The facilities so generated is made available to desiring partners in free/spare time as per mandate of the funding agency as well.

6.5 Internal Quality Assurance System (IQAS)

In fact now the college is committed to formally introduce an Internal Quality Assurance Cell (IQAC), so that things can be done in a much better and organized way.

6.5.1 Internal Quality Assurance Cell (IQAC)

No. The College does not have a structured integrated framework for quality assurance of the academic and administrative activities. The Staff Council works for all kinds of academic and administrative activities and helps in quality assurance of these activities. The Council has different committees to look into specific academic and administrative activities.

a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

No, but the college is committed to establish IQAC as per the mandate of the NAAC.

b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?

Not Applicable

c. Does the IQAC have external members on its committee?

Not Applicable

If so, mention any significant contribution made by them.

d. How do students and alumni contribute to the effective functioning of the IQAC?

Not Applicable

e. How does the IQAC communicate and engage staff from different constituents of the institution?

Not Applicable

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalization.

Ref. point no. 6.2.2

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.

Ref. point no. 6.3.1 & 6.3.2

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?

University of Delhi has its own mechanism for academic auditing of its affiliated and constituent colleges. However, the College has developed its own coordinating and monitoring mechanism for the effective implementation of the quality assurance procedures, and for the same responsibilities is assigned to individual teachers and departments.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

Ref. point no. 6.2.2

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

Ref. point no. 6.2.2

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

Ref. point no. 6.2.2

Any other relevant information regarding Governance Leadership and Management, which the college would like to include.

Dyal Singh College (University of Delhi), Lodhi Road, New Delhi – 110 003
Self-Study Report

CRITERION - VII

INNOVATION AND BEST PRACTICES

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CRITERION VII- INNOVATION AND BEST PRACTICES

7.1 Environment Consciousness

Dyal Singh College's administration, staff and students are aware of environmental issues confronting our society. The EcoClub of the college encourages environment friendly practices. The NSS volunteers of the College undertake weekly cleanliness drive on Thursdays in and around the adjacent Sai Mandir This initiative enjoyed a lot of appreciation from the devotees and management of the Sai Mandir and this drive has inspired them to maintain a clean environment.

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

Formal green audit is not conducted in the campus. Various measures are adopted to keep the campus eco-friendly.

All the trees are numbered for maintaining their status in records. Green cover of the college campus is properly maintained and nurtured using compost manure from *in-house* facility. The garden of the college campus is maintained by experienced and efficient gardeners.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

The College as a team is committed by heart towards the goal of making the campus an eco-friendly campus following the environment friendly measures and promoting sustainable development, optimization of obtainable resources or procedures which leads to conservation of energy and other natural resources for the welfare of the society. Various initiatives undertaken towards making the campus eco-friendly are:

- a. **Swachhta Abhiyan-** To keep college and its premises clean, several cleanliness drives are organised in the college from time to time as part of *swachta abhiyan*. Dustbins with poly bags are strategically placed in the college premises so as to ensure proper garbage disposal.
- b. **Conscious Energy conservation-** In order to save energy solar panels are being placed in the College to light the campus and surplus of the same will be transferred to BSES. The process has started since Decembre 2015. The cost of installation will be recovered in three years and thereafter this will be a revenue generating asset for the college.
- c. Replacement of existing high consumption bulbs will be replaced by energy efficient LED bulbs in a phase wise manner. To conserve the energy, awareness about conservation of electricity is spread among college staff and students. Members are self motivated to ensure that the lights and other electrical appliances are switched off while leaving the respective facilities. We have also initiated the process of supply of PNG, in place of LPG for our laboratories and the Canteen and it will soon be in place. This will be not only

less expensive but also emit less carbon.

- d. Planting trees in the campus-** There is a Garden Committee in the College which supervises planting of trees in the campus. The College complies with the Hon'le Supreme Court order on burning of leaves and green waste. By and large green waste is utilised in raising organic manure in in-house compost facility.
- e. Hazardous waste management-** Effluent treatment plant project for chemical effluents from laboratories is being installed through the process of e tendering. The College maintains and follows the policy of segregation of waste.
- f. e-waste management-** The College abides by the guidelines of the University of Delhi for waste management. The College is committed towards making the campus an eco-friendly zone.
- g. Recycle, Reduce and Reuse-** To encourage recycling of the used paper, collection drives are organized and collected material like used papers, old newspapers, magazines, etc. were exchanged with recycled papers by leading newspaper a few times. To encourage reuse policy students and staff are encouraged to take prints on both sides of the sheet. Paper consumption has been reduced by discouraging the printouts of computer practical's in some courses. Instead of hard copy, a soft copy on the computer is maintained for assessment purpose, thereby ensuring that we save lots of paper.
- h. Future Planning-** New construction is proposed in our college is coming up second Phase of New Science Building. Due emphasis and consideration will be given to conservation of energy. Some of the energy efficiency features are listed below:
 - 1. Ultra star rating electrical fittings, fans, A/C to save electricity.
 - 2. Use of CFL/LED lights in circulation area and toilets.
 - 3. Rain Water Harvesting following the norms of green building.
 - 4. Insulated roof to reduce heat gain.
 - 5. Adequate window areas for natural light and ventilation.
 - 6. Provision of sewage treatment plant and recycling of wastewater.
 - 7. Use of local materials, fly ash bricks and ready mix concrete.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years, which have created a positive impact on the functioning of the college.

Purpose of innovations is to enhance learning by making it more effective and interesting. Some of the Innovations used by the college during last few years which exercised very positive impact on the functioning of the college.

A. Administrative Innovations

- (i) Online Payment-** The College extended the facility of online payments of fees at the time of admissions, which saves the time of both the staff and the

applicants. All the payments from students are received in online mode. In addition to this majority of third party payments are also done through online mode.

- (ii) **Active Website-** In the world of ICT an active website is helping updating information periodically. All the notices are displayed on the college website in addition to respective notice boards. Website is also used for gathering online survey/options from the students. This also makes the process of showing attendance record convenient for both students and teachers as it creates faster access and transparency in the process.
- (iii) **College Management Software:** The College is having College Management Software; several modules have been installed and utilized in recent past with integrated web panels. The software has been very much helpful in day-to-day functioning of the College office, dealing with students.
- (iv) **Security Enhancement-** As a measure to ensure more safe and secure environment in view of latest threats from the antisocial elements, a series of measures have been taken including installation of CCTV, security lights, fencing of boundary walls with barbed wire and human surveillance.
- (v) **Open Door Policy-** College administration is following the Open Door Policy. Students can freely submit their grievance to the Principal any time, including contacting on his mobile phone. Regular meeting takes place to understand the problems being faced by the students and due care is taken for prompt redressal.
- (vi) **Disabled friendly Campus-** Due care is being taken towards making college campus disabled friendly. Ramp at places, tactile in the entire building has been added for the purpose. There is an Enabling Unit to help in assessing the requirements of challenged students. Please refer to the Chap/criterion on Library for further information on this.

B. Academic Innovations

A number of innovations are introduced in academic category.

- (i) **Research Promotion** At least four University registered laboratory and 06 faculty members are guides to research for Ph.D. A grant to the tune of Rs1.4 crores have been brought to the college in different research schemes from the agencies like UGC, CSIR, DBT, DST, ICSSR, etc.
- (ii) In addition to this students and teachers are encouraged to participate in Delhi University sponsored **Innovation Projects** scheme. It is a practice by the university in which faculty and students are provided research opportunities of interdisciplinary nature. Each team in innovation project include three teachers from different departments, 10 students and a mentor from some external institution. University provides grant and other required support to each team for conducting the research. The scheme of Innovation project is in its third phase and college is recipient of 04, 07 and 06 projects respectively in these phases. Findings from the previous projects have been appreciated.

Summary title of the projects listed in Table in Criterion 2/1.

i. Field Trips and Educational Tours- It is an integral practice in some departments to organise field trip based learning and educational trips as well. In addition college actively participated in Gyanodaya Express, an initiative of Delhi University of taking students across colleges of our University to different parts of the country through Indian Railway. The learning by the team is presented in the form of project report. Last report by the team on medicinal plants of North East have been appreciated and encouraged by the readers.

ii. Interdisciplinary Programs and Cultural Showcase : The Antardhavni program organized by the University of Delhi provided platform and impetus to showcase cultural and interdisciplinary academic activities of the College. The College has its own annual cultural festival “Priyadarshini” which is quite popular among students. The College has one of the most active NCC, NSS, Dramatics and North-East Students societies in Delhi University. Active participation in sports is reflected in round the year trophies and medals winning news of college students.

iii. Industrial Training & Placement- Already two rounds have been completed of formal industrial training and placement offers to college students after successful completion of their trainings. This program is carried out in collaboration with **SIDBI** in which final year students undergo training in their preferred area. After successful completion of training they are offered jobs and training fee is also reimbursed.

iv. ICT Based Teaching and learning- Innovative approaches are used by teachers while evaluating students. Innovations in pedagogy are reflected in practices like class presentations, assignments, tests, case-studies, etc. Innovative techniques are used while delivering lectures like use of audio-video, graphical presentations, real-life examples, etc. Theoretical knowledge is complemented with practical exposure wherever possible.

v. Innovations for Enhancing Technology Use- The college is connected to the DU computer centre through RF connectivity. Computer resource centre with latest 80 computers in addition to departmental computer labs and extended Wi-Fi based Internet connectivity throughout the campus. These innovations in the technology infrastructure has enabled the college to make good use of Internet and students are taking very good use of the same for getting academic inputs from the virtual world.

7.3 Best Practices

The main goal of our college is to enhance the learning in terms of academics, professional and personal growth of its stakeholders which includes students, teachers, lab staff, library staff and administrative support staff. In our college, all colleagues apply the set of best practices for the ultimate welfare of the learners. Faculty sets high standards for the students and engages them in an ambitious course of study with clear goals and use their knowledge and experience to prepare

all students for excellence in their academics and success in their prospective workplace. Administrative staff helps in providing the appropriate resources in the college to implement the approaches and techniques adopted by faculty. Faculty and non-teaching staff members work in tandem with each other to improve the performance of the students. Although every practice followed is worth mentioning, but we focus here on two practices, namely A and B.

7.3.1 Elaborate on any two best practices in the given format, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

Best Practice-A

1. Title of the Practice: Discussion and Counseling (Psychological, Academic & Career)

2. Goal

- A. Clearing Doubts** before admission regarding courses, options, scope and career etc. Opportunities and facilities available to them .
- B. Introduction to the System** so as they become the part of the system understand it properly and get maximum benefit from it.
- C. Access to the Authority/Staff** to address difficulty that needs to be addressed with the intervention of the authority be it academic, or non-academic, which is affecting studies.
- D. Expert Counseling** so as to provide adequate and qualified counseling support to each and every student for this traditionally missing component in our mechanized society.

3. The Context

- A. Clearing Doubts :** Students and their parents might have many questions and doubt in their mind after passing their 12 examination regarding courses, options, scope and career etc. Opportunities and facilities available to them .
- B. Introduction to the System so as :** After admission they become the part of the system and get all the possible facilities.
- C. Access to the Authority/Staff :** Academic counseling to help in coping up with the learning and adjustment or developing better understanding to the scenario. The most important being the career counseling.
- D. Trained Counseling :** A youth coming to the college may be in a situation of confusion. It may contribute to personality related disorders, in majority of cases problems related to psychological stress are not at all considered seriously in our society. But such stress can be addressed only by means of proper counseling by trained psychologist.

4. The Practice

- A. Open House :** Before admission college has initiated an open house collaboration with other agencies including Nav Bharat Group. During these sessions aspiring students get clarification cum counselling on their doubts from experts. This is particularly important in addressing the queries from the students of diverse backgrounds/sections, particularly when Delhi University is dream destination for many students. A large number of students along with their parents participate on this occasion.
- B. Orientation Program :** A regular feature for first year students in the college to introduce them to college system and address their concerns. On this occasion students as well as their parents are addressed by the Principal on their very first day in the college. They are introduced to the college, staff, various rules and provisions related to them. Participants also benefitted by post session interaction with staff for their benefit.
- C. Open Door Policy & Regular interaction :** Students as well as their parents can visit college administration (including Principal) freely to share their concern and grievance (if any). As a routine practice a session with each class is fixed by the Principal to have an open discussion. Problems and grievances if any are addressed as soon as possible. All these interaction boosted the confidence and self esteem among the students for facing the challenges and presenting their views.
- D. Psychological Counseling Session :** A unique practice initiated on experimental basis couple of years ago and now a regular feature in the college. In collaboration with an NGO *i.e.*, MANAS trained counselor (Psychologist) visit college on every Tuesday and students can visit them for the counseling purpose at the pre designated places/rooms. This is a regular feature for last many sessions. Students come up with their problems and get benefitted from this unique effort run by the college in collaboration with the NGO.
- E. Open Access to faculty/Staff :** In addition to above facilities college staff (both teaching as well as non-teaching) readily welcome the incoming queries from the students as well as from their parents. As evidenced/experienced by personal speeches/words/cards from final year students during farewell sessions.

5. Evidence of Success

- A. Pass Percentage: Ever** increasing pass percentage score of individual students in University examination over period of time as evidenced over the period of time.
- B. Increased Self Confidence/Esteem: The** trends of involvement of students in research projects (innovation projects & project Arc), prizes/medals earned by students in sports, Art & Culture, Internships earned by students and campus placements clearly provide live evidence boosted self esteem/confidence and above all of their success.
- C. Focussed Approach for Future: Students** are much more focused and determined towards their future options including venturing into higher education and accessing job platforms. Students are coming up with startup

ideas and working on it in a group. Planning for future in a structured manner has been observed and evidenced by their post college settlements including placements and further admission in various post graduate courses in reputed universities around the world.

D. Socially Responsible, Disciplined and Civilized Citizen: Regular participation for social causes including blood donation camp, Anti-Drug/Tobacco Campaign, Swachta - Abhiyan, Unity Run, relief activities and community services, etc. Reduced incidence of conflicts and discipline violation related incidents.

6. Problems Encountered and Resources Required

A. Manpower : Manpower is an integral component for success of such activities. The most important resource for this kind of counselling happens to be the trained manpower. Especially as far as psychological counselling is concerned trained manpower in the respective field is very much an integral component of the event. Sparing time for all such activities, when no financial component/benefits are associated with it, not restricting colleagues/volunteers who are contributing to the noble cause. Periodic workshop for the teachers may be helpful to them in addressing many situations arising during the interactions.

B. Financial : All the services are offered with the support of external sponsorship (*if any*) and self motivated volunteers in the system. If more financial resources could be mobilised for the activity better services/features can be added for the benefit of larger section of students.

Best Practice- B

1. Title of the Practice : Best Utilization of Trained Manpower and Available Physical Facilities/Infrastructure.

2. Goal

A large section of students could not access to the facilities of education including the higher education, usually due to non admission or drop out from the system on account of any reason. Further, opportunities available for enrolment in the formal education system is also limited on account of limited number of seats, limited trained manpower and infrastructure, etc. On the other hand huge potential of manpower as well as physical facilities remained unoccupied during their free times such as holiday and vacations. Our goal is to utilise the maximum potential of both manpower and infrastructure for offering dedicated services in Higher education.

3. The Context

A. Optimum engagement of Physical facilities : During holiday and vacation period physical facilities including infrastructure is usually available. All these

facilities when explored in any form may contribute to the cause of education directly or indirectly. Students not able to join formal education system may attempt to join through alternate possible modes such as SOL (of Delhi University), IGNOU, etc. Classroom teaching, Examination and Evaluation are integral part of education system and providing physical facilities for the same can be one of the best contributions towards resource optimisation.

- B. Optimum engagement of trained manpower :** Similarly, services of trained manpower/professional available with the institution is maximised by offering/engaging it in the IGNOU and other related systems. The flexibility of these modes/systems allow large number of students to join them and by providing a common platform for their interaction in the form of study centre may benefit them in a big way.

4. The Practice

- A. As Study Centre :** College is offering its physical facilities including infrastructure for running study centre related services in higher education sector both to the Parent University as well as to the external university *i.e.*, IGNOU. The college is located in prime location and well connected through public transport including Delhi Metro. This gives us an added advantage to access through various corners of the Delhi-NCR as evidenced by the student enrolment in regular courses of the college.

(i) Based on facilities, location and willingness, the college has been identified as a study centre by the Delhi University to provide support to girl student of School of Open Learning. College is handling on an average around 1100 students.

(ii) Similarly college was approached by IGNOU to set up a IGNOU Study centre in the college to cater the need of learners in Higher Education. The proposal was well considered; based on active efforts a Study Centre was established in the college. College teachers and trained professionals have been requested to join as Academic Counsellors and after due approval they are engaging learners for counseling activities at the centre on Sundays and Holidays. College students are also benefiting by joining some of the courses as well. Presently a large number of students are registered at the centre in different certificate, diploma, PG-Diploma and post graduate courses.

- B. As Evaluation Centre:** The college was identified initially for a evaluation centre for experimental basis. This experiment was successfully run and as a result the college is regularly recognised as an evaluation centre for regular as well as category.

- C. As Examination Centre :** Again the advantage of location is utilised by various agencies for holding their competitive examination. Priority is given to the government agencies and bodies for holding such activity. Dedicated team of Internal staff is also engaged during these activities. These activities are taken up on Sunday, holiday and vacation period only without affecting regular activities of the college.

- D. Socio-Cultural, Academic Meets :** Amphitheatre is being offered to a Tribal Forum of University employees for their socio cultural meet, towards our contribution in national integration and promotion of socio-cultural exchange. Facilities like Seminar hall, Amphitheatre and Auditorium are offered to Government/Academic bodies for holding their meetings and other programs.

5. Evidence of Success

- A. From Study Centre:** The student strength is growing and facilities offered is appreciated by the respective bodies. There is continuous demand to add new courses at the centre specifically by IGNOU. This is mainly because of our location, services and positive feedback from the learners. More than 1200 students of SOL (Delhi University) and 1500 students of IGNOU are benefiting from the services.
- B. From Evaluation Centre :** Initiated as a small centre for a few thousand scripts, this has grown as one of the largest centre of the Delhi University. It is clearly indication of positive feed-back in the higher body and dedicated services of the team engaged in this endeavour for the cause of higher education. The evaluation centre is handling roughly 300 types of examination papers and approximately 5 lakhs scripts annually.
- C. From Examination Centre :** The demand for making the college an examination centre has continually grown. This testifies the fact that examinations are conducted successfully with the support of dedicatedly efficient team of the college.
- D. Socio-Cultural, Academic Meets :** The repeated scheduling of events is anevidence for the positive feedback and appreciation by the respective bodies.

6. Problems Encountered and Resources Required

- A. Manpower :** Manpower is an integral component for success of such activities. Sparing time during holiday and vacation period may not be favoured by all. Usually financial component/benefits associated may not be competitive with the private players. So mostly team of manpower motivated for the cause of higher education tends to join for the cause.
- B. Financial :** Usually financial benefits associated with the services are not revised regularly and may be very low as compare to the contemporary trends in private sector for similar services.

7. Notes (Optional) :

- A. Need Based :** Facilities may be offered on need based manner towards preferably services that are related to education and directly or indirectly benefiting the weaker/deprived section of the society.
- B. Local Consideration :** The priority consideration may be given to the activities thatare benefiting to the area or locality based consideration may also be another criteria.

8. Contact Details

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Dyal Singh College (University of Delhi), Lodhi Road, New Delhi – 110 003
Self-Study Report

EVALUATIVE REPORT
OF
THE DEPARTMENTS

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Department of Bengali

- 1. Name of the Department:** Bengali
- 2. Year of Establishment :** 1959
- 3. Names of programme offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt. etc.):** B.A.Program/Discipline and Language Courses
- 4. Name of Interdisciplinary courses and the departments/units involved:** B.A. (Prog.), B.A. (Hons.) Hindi, B.A. (Hons.) History, B.A. (Hons.) Political Science
- 5. Annual/Semester/Choice Based Credit System (programme wise):** Semester (in IInd and IIIrd yrs), CBCS (in Ist yr)
- 6. Participation of the department in the courses offered by other departments:** Hindi, History, Political Science
- 7. Courses in collaboration with other universities, industries, foreign institutions etc.:** Nil
- 8. Details of courses/ programme discontinued (if any) with reason:** Nil
- 9. Number of teaching posts:**

Post	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	1	1 (Ad-hoc)

- 10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M.Phil. etc.):**

Name	Qualification	Designation	Specialization	No. of Years of exp. in(yrs.)	No. of Ph.D. students guided
Dr. Shreeta Mukherjee(A)	M.A., Ph.D., NET	Asstt. Prof.	Folk Lore & Women's Writing	3.5yrs(Ad-hoc), 2 yr Guest	NA

- 11. List of senior visiting faculty:** NA
- 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** 100%.
- 13. Students- Teachers Ratio (programme wise):** See table-i at page no. 243
- 14. Number of academic support staff (technical and administrative staff; sanctioned and filled:** NA
- 15. Qualification of teaching faculty with DSC/ D.Litt./ Ph.D./ M.Phil./ PG:** 1
- 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:** Nil

17. Departmental projects funded by DST- FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre/ Facility recognized by the University: Nil

19. Publications:

- Publication per faculty: 05/01 : 05
- Number of papers published in peer reviewed journals: 05 Research papers
- Monographs: Nil
- Chapter in Books : Published article in Krishti, Hindol, Ajanta (Periodical Magazine)
- Books Edited: the issue outlook puja Magazine, several books of National Book Trust.
- Books with ISBN/ISSN numbers with details of publishers: A book published in July 2015, ISBN: 978-9385663-024, Terracotta publication, Bishnupur, Bankura, West Bengal.

20. Areas of consultancy and income generated: Nil

21. Faculty as members in:

a) National committees b) International Committees c) Editorial Boards.... Nil

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme: No information available
- b) Percentage of students placed for projects in organizations outside the institution *i.e.*, in Research laboratories/Industry/ other agencies: No information available

22. Award/Recognition received by faculty and students: Faculty worked as resource person in Sarva Shiksha Abhiyan, IGNOU 2012.

23. List of eminent academicians and scientists/ visitors to the department: Dr. Amitava Chakrabarty, Sh. Dilip Kumar Basu, Dr. Anushree Ghosh. Prof Suva Das Gupta, Mr. Dilip Basu, Prof. Munshi Mohd. Yunus, Prof. Sredvati Chakarboroty and Prof. Sarmishtha Seh.

24. Seminars/ Conference/ Workshops organized & the source of funding:

a) **National:** Nil

b) **International:** Nil

26. Students profile programme/ course wise: See table-ii at page no. 244

27. Diversity of Students: See table-iii at page no. 245.

28. How many students have cleared national and state competitive examination such as NET, SLET, GATE, Civil services, Defence services, etc.? N.A.

29. Student's progression: N.A.

30. Details of Infrastructural facilities:

- a) Library: College library facility.
- b) Internet facilities for staff & facilities: Centralized computer center, campus Wi-Fi.
- c) Class rooms with ICT facility: Big classrooms have overhead projectors.
- d) Laboratories: NA

31. Number of students receiving financial assistance from college, university, government or other agencies: See table-iv at page no. 246-248.

32. Details on students' enrichment programme (special lectures/workshops/ seminars) with external experts: Organized one day seminars on-

- i. Rabindranath Tagore as accepted by modern critics in 2013.
- ii. Tradition of Bengali Children's Literature in 2014.
- iii. Life and Literature in 2015
- iv. Pre-colonialism thought in Bengali Life and Literature in 2016

33. Teaching Methods adopted to improve students learning:

- Student friendly approach towards teaching-learning; Students are encouraged to work on projects; Students are encouraged to actively participate in inter-departmental activities.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Regularly in all duties and assignments.

35. SWOC analysis of the department and Future Plans:

Strengths

Qualified, devoted and hardworking faculty; Extra-curricular activities are organized by the department; Excellent relationship between students and teachers.

Weakness, Opportunity and Challenges

Infrastructure constraints; No permanent faculty

Future plans

To get permanent faculty; to get honors course in Bengali; to extend teaching of the language to non-humanities students; research project funded by external agencies.

Department of Botany

1. **Name of the department :** Botany
2. **Year of Establishment :** 1959
3. **Names of Programme / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** Under Graduation (Bachelor of Honors in Botany).
4. **Names of Interdisciplinary courses and the departments/units involved:**
 - B. Sc. Life Sciences with Department of Chemistry and Zoology;
 - B.Sc. Physical Sciences with Department of Chemistry, Zoology, Physics, Computer Science and Mathematics.
 - B.Sc. Computer Sciences with Department of Chemistry, Zoology, Physics and Mathematics.
 - B.Sc. Chemistry (Hons) with Department of Zoology, Physics and Mathematics.
 - B.Sc. Applied Zoology (Hons) with Department of Zoology.
5. **Annual/ semester/choice based credit system (programme wise) :** Semester, CBCS
6. **Participation of the department in the courses offered by other departments:** Participation in teaching with Department of Physics, Chemistry, Zoology, Mathematics and Computer Science.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil
8. **Details of courses/programmes discontinued (if any) with reasons:** Annual and FYUP (as per University decisions)
9. **Number of Teaching posts**

Posts	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	-	-
Asst. Professors	12*	07 are promoted to Associate Professor under MPS/CAS. Rest are working in Adhoc capacity.

*Total sanctioned posts of department of Botany.

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. Etc.,)**

Name	Qualification	Designations	Specialization	No. of Years of experience in (yrs.)	No. of Ph.D. students guided for the last 4 years
Dr. C.Sadasiva	M.Sc., M.Phil., Ph.D.	Associate Professor	Plant Physiology	34	Nil

Dr. Poonam Mohindra	M.Sc., M.Phil., Ph.D.	Associate Professor	Mycology and Plant Pathology	26	Nil
Dr. Poonam Mehta	M.Sc., M.Phil., Ph.D.	Associate Professor	Tissue Culture	25	Nil
Dr. Neeru Bhandari	M.Sc., NET , M.Phil., Ph.D.	Associate Professor	Embryology	25	Nil
Dr. P. Chitralkha	M.Sc., M.Phil., Ph.D.	Associate Professor	Embryology	24	Nil
Dr. Saloni Gulati	M.Sc., NET , M.Phil., Ph.D.	Associate Professor	Microbial Ecology	23	Nil
Dr. Roma Katyal	M.Sc., Ph.D.	Associate Professor	Biochemistry and Molecular Biology	19	Nil
Dr. Anita Rani	M.Sc., Ph.D. NET	Assistant Professor	Plant Physiology	11	Nil
Dr. Jasleen Kaur Kalia	M.Sc., Ph.D. NET	Assistant Professor	Ecology	12	Nil
Dr. Nellie Laisram(A)	M.Sc., M.Phil., Ph.D.	Assistant professor	Microbiology	06	Na
Dr. Prashant Pant (A)	M.Sc., Ph.D.	Assistant Professor	Microbial and Molecular Ecology	03	NA
Dr. A.Kumar Maurya (A)	M.Sc., M.Phil., Ph.D.	Assistant professor	Plant Physiology	05	NA
Dr. Rashmi Panwar (A)	M.Sc., Ph.D.	Assistant Professor	Tissue Culture and Biotechnology	01	NA

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : 31% (Adhoc faculty)

13. Student -Teacher Ratio (programme wise) : See table-i at page 243.

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :

NAME OF POST	SANCTIONED	EXISTING	VACANT
Technical Assistant	1	0	1
Lab. Assistant	5	4	1
Lab. Attendant	3	1	2

15. Qualifications of teaching faculty with DSC/ D.Litt. / Ph.D. / M.Phil. / PG: Details given in Point 10 above.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Four innovation projects from University of Delhi (Amounting to 4, 00,000/- + 4, 50,000/- + 6, 50,000/- + 7, 00,000/- = Total 21, 50,000/-)

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications:

- Publication per faculty: 64/12 = 5.03
- Number of papers published in peer reviewed journals (national / international) by faculty and students: 64
- Number of publications listed in International Database (For e.g.: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : 27
- Monographs: Nil
- Chapter in Books: 09
- E Lessons: 06 (ISSN No: 2349-154X.
(<http://vle.du.ac.in/mod/tab/view.php?id=9778>)
- Books Edited: 01
- Books with ISBN/ISSN numbers with details of publishers: ISBN: 978-93-83281-60-2; 978-93-83281-41-1; Book Age Publications, H-87, Lalita Park, Laxmi Nagar, Delhi-110092
- Citation Index

Name of Faculty	No. of papers in journals	Citations
Dr. C. Sadasiva	01	Nil
Dr. Poonam Mohindra	07	Nil
Dr. Poonam Mehta	16	33
Dr. Neeru Bhandari	12	Nil
Dr. P. Chitralkha	09	117
Dr. Salon Gulati	05	Nil
Dr. Roma Katyal	03	18
Dr. Anita Rani	03	05
Dr. Jasleen Kaur Kalia	01	Nil
Dr. Nellie Laisram	04	Nil
Dr. Prashant Pant	02	13
Dr. Arun Kumar Maurya	01	Nil
Dr. Rashmi Panwar	Nil	Nil

- Impact factor: (consolidated), h-index

Name of Faculty	Impact Factor	h-index
Dr. P. Chitralkha	07.176	5
Dr. Poonam Mehta	16.166	4
Dr. Neeru Bhandari	00.484	3
Dr. Roma Katyal	10.537	1
Dr. Anita Rani	04.38	2
Dr. Prashant Pant	07.344	
Dr. Arun Kumar Maurya	02.75	

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards ... Nil

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme: No information available
 b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: No information available

23. Awards / Recognitions received by faculty and students:

Name of Faculty	Award/ Recognition
Dr. Poonam Mehta	<ul style="list-style-type: none"> • CSIR- NET fellowship in 1982
Dr. P. Chitrlekha	<ul style="list-style-type: none"> • Distinguished teacher award by University of Delhi
Dr. Anita Rani	<ul style="list-style-type: none"> • Received UGC-CSIR (NET) JRF & SRF (2001) • Awarded a Young Scientist medal for paper presentation in National Seminar on Physiological and Biotechnological Approaches to Improve Plant productivity which was held in 2008.
Dr. Jasleen Kaur Kalia	<ul style="list-style-type: none"> • Member of Departmental Research Committee • CSIR-UGC NET (LS)-JRF
Dr. Nellie Laisram	<ul style="list-style-type: none"> • Awarded the “Prof. N.S. Rangaswamy Medal-2009” for the Best Thesis in Botany on the thesis entitled, “Studies on Microbial Antagonism: Application of Soil Bacteria Showing Biocontrol Potential Against <i>Fusarium</i> spp.” • Awarded the “Jwala Prasad Award” for the Best Speaker at In: International Symposium on Integrated Management of Fungal Diseases (IMF): Technology, Development and Application, 2005. • Awarded the 2nd best poster award at the National Symposium on Biodiversity, Biotechnology and Man: Interdependence and Future Challenges, 2010.
Dr. Prashant Pant	<ul style="list-style-type: none"> • Received UGC-CSIR (NET) JRF & SRF (2004).
Dr. Arun Kumar Maurya	<ul style="list-style-type: none"> • Received UGC-CSIR (NET) JRF & SRF (2002), National Scholarship 2000 (M. Sc.).

24. List of eminent academicians and scientists / visitors to the department:

Prof. Rajeev Mohan Aggarwal (Jiwaji University, Gwalior), Dr. Natesh (Senior Scientific Advisor), Dr. S. Gopalan Sampat Kumar (Scientist) Prof. S.S.Bhojwani, Dr. M.C. Arunan, Prof. Arun Jaganath, Prof. Amar Kumar, Prof. Shailendra Goyal, Dr. Geeta Ram, Prof. Sanjay Kapoor.

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) **National:** Workshop on “Reproductive Biology of Angiosperms” sponsored by ILL, UDSC and organized by Department of Botany, Dyal Singh College and ILL, UDSC in March 2015.
 b) **International:** Nil

26. Student profile programme/course wise: See table-ii at page no. 244

27. Diversity of Students: See table-ii at page no. 245

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

These are generally taken after post-graduation. However some of our students have entered in NET, SLET, GATE, Civil services and defences service, but as such the college doesn't keep the desired information in any formal manner.

29. Student progression: College doesn't keep the desired information in any formal manner.

30. Details of Infrastructural facilities

a) Library: Central college library facility available. A small collection of around 300 books –contributed by the faculty from their personal collection.

b) Internet facilities for Staff & Students: Internet available for faculty as well as students at computer lab as well as through Wi-Fi routers

c) Class rooms with ICT facility: Overhead wall mounted LCD projector along with screens are available in two classrooms and one laboratory.

d) Laboratories: Three functional laboratories

31. Number of students receiving financial assistance from college, university, government or other agencies: See table-iv at page no. 246-248

32. Details on student enrichment programme (special lectures / workshops / seminar) with external experts:

- Every year under Botanical Society of the college, we invite experts to deliver special lectures on various aspects of botany including research areas for the students.
- Science-Setu Programme ongoing since 2015.

33. Teaching methods adopted to improve student learning:

- Students are exposed to the entire genuine open source, open access resources using ICT methods (Projection systems).
- Involvement of students in Botany society and other organizational activities.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Name of Faculty	ISR & Extension activities
Dr. C. Sadasiva	Peoples Science Movements like Sciences for Society; Forum of Scientists for Peace and Development; Bharat Jan Vigyan Jathaas; All India Peace and Solidarity Organisation. Dyal Singh College Teachers Association; Delhi University Teachers Association; Admission work; Teacher In-charge ship and Staff Council Committees.
Dr. Poonam Mohindra, Dr. Neeru Bhandari, Dr. Poonam Mehta, Dr. P. Chitralekha, Dr. Saloni Gulati, Dr. Roma Katyal, Dr. Anita Rani, Dr. Jasleen Kaur Kalia	Have worked as Conveners and members in various committees of Staff Council of Dyal Singh College (Library Committee, Botanical Society "Prakriti, Museum and Garden committee of Botany Department, Time Table Committee, Departmental Admission Committee, and Teacher In-charge ship. SC/ST Admission Committees etc.)

Dr. Anita Rani	Participating as a subject expert for the preparation of Botany and Environmental Science Glossary, a project undertaken by Commission of Scientific and Technical Terminology, Ministry of Human Resource Development since 2014 till date.
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35. SWOC analysis of the department and Future plans:

Strengths

- Well qualified faculty members (particularly younger members laced with experience in latest tools and techniques) with research experience and capability to conduct R&D activities
- Many of the faculty members enthusiastically participated in University of Delhi sponsored innovation projects.
- Huge number of students enrolled in life sciences and Botany (H) programme with lot of energy and aptitude to take up various curricular and co-curricular activities.
- Experienced and ready to learn non-teaching laboratory staff.
- Infrastructural facilities like Charts, Permanent slides, Photographs, Preserved specimens, covering all the branches of Botany to aid practical work and theory teaching.

Weakness

- Number of admitted students always turns out to be more than the sanctioned strengths due to heavy rush and demand. Because of this teacher taught ratio suffers as teaching appointments are always done as per sanctioned strength.
- Lack of individual faculty rooms for study is also a shortcoming.
- Classrooms being away from the department lead to lot of loss of time for faculty.
- Lack of separate space for R&D activities.
- Lack of space for Museum establishment.

Opportunities

- Private companies visiting the institution for in-campus placement.
- Centralized location of the institution in the city/state and metro connectivity is an USP of the institute making it highly popular among the students.

Challenges and Future Plans

- To develop a strong base for R&D activity in the department.
- To organize seminars and workshops (national/international) on regular basis in the institution.
- To motivate the students to take up socially purposeful activities on regular basis.
- To motivate students to pursue higher studies in sciences.
- To develop critical and scientific attitude towards societal problems among students and faculty.
- To meet all the requirements (including financial) in conducting all these activities despite shrinking state support towards higher education.

Department of Chemistry

1. **Name of the department:** Chemistry
2. **Year of Establishment:** 1958
3. **Name of the Programme/ Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** Undergraduate course – B.Sc. (Hons.) Chemistry
4. **Names of Interdisciplinary courses and the departments/units involved:** B.Sc. (H) Chemistry, B.Sc. (H) Physics, B.Sc. (H) Botany, B.Sc. (H) Zoology, B.Sc. Life Science, B.Sc. Physical Science, and B.Sc. Physical Science with Computer, Environmental Science paper.
5. **Annual/Semester/Choice based Credit system :** Semester System, CBCS
6. **Participation of the departments in the courses offered by other departments:** Physics, Mathematics, Botany, Zoology, English, and Computer Sc.
7. **Courses in collaboration with other universities, industries, foreign institutions etc.**
 - Science Setu program with National Institute of Immunology is being conducted.
 - Exposure of students to undergraduate research programme
8. **Details of Courses/ programme discontinued (if any) with reasons:** Nil
9. **Number of Teaching posts:**

Posts	Sanctioned	Filled
Professors	--	--
Associate Professors	--	--
Asst. Professors	20	20

10. **Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M/Phil, etc.,)**

Name	Qualification	Designation	Specialization	No. Of Years of Exp. in (yrs.)	No. of Ph.D. Students guided for the last 4 years
Dr. A.K.Bhagi	M.Sc., Ph.D. NET	Associate Professor	Inorganic chemistry	25 years	Nil
Dr. K.P.Singh	M.Sc., Ph.D. NET	Associate Professor	Organic chemistry	25 years	Nil
Dr. M.P.Singh	M.Sc., Ph.D. NET	Associate Professor	Inorganic chemistry	22 years	Nil
Dr. S.Gopal	M.Sc., M.Tech, Ph.D.	Associate Professor	Physical chemistry	16+ years	Nil
Dr.A. Chikkara	M.Sc., Ph.D. NET	Associate Professor	Organic chemistry	18 years	3
Dr. Alka Gupta	M.Sc., Ph.D.	Associate Professor	Organic chemistry	24 years teaching & res.	One in progress
Dr.A.K. Nain	M.Sc., Ph.D., D.Sc.	Associate Professor	Physical chemistry	22 years	3
Dr. A. Kumar	M.Sc., Ph.D. NET	Assistant Professor	Physical chemistry	13 years	Nil
Dr. M. K. Gautam	M.Sc.,M.Phi. Ph.D. NET	Assistant Professor	Physical Chemistry	10 years	Nil
Dr. Vandana	M.Sc., Ph.D. NET	Assistant Professor	Organic chemistry	9 years	Nil

Dr.N. Manav	M.Sc., Ph.D. NET	Assistant Professor	Inorganic chemistry	12 years	Nil
Dr.Amita Malik	M.Sc., Ph.D.	Assistant Professor	Organic chemistry	22 years research & 6 years teaching	2 in progress
Dr. K. Mandal	M.Sc., Ph.D.	Assistant Professor	In organic chemistry	10 years	Nil
Ms K. Meena	M.Sc., M.Phil.	Assistant Professor	Organic chemistry	6 years	NA
Mr K.K.Saini	M.Sc., NET	Assistant Professor	Organic chemistry	7 years	NA
Dr. Amita Dua	M.Sc., Ph.D. NET	Assistant Professor	Physical Chemistry	10.5 years	Nil
Dr. C.Chandra	M.Sc. ; Ph.D. NET	Assistant Professor	Physical chemistry	8 years	Nil
Dr. B.B.Singh	M.Sc., M.Phil., Ph.D.	Assistant Professor	Inorganic Chemistry	14 years	Nil
Dr. I. R.Kumawat	M.Sc., Ph.D. NET	Assistant Professor	Organic Chemistry	3 years	Nil
Dr. Devraj	M.Sc., Ph.D.	Asst. Professor	Inorganic chemistry	6 years	Nil

11. List of senior visiting Faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise by temporary faculty: 14.6 %

13. Student –Teacher ratio: See table-i at page no. 243.

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Name of Post	Sanctioned	Filled
Technical Assistant	1	0
Lab Assistant	9	6
Lab Attendant	6	5

15. Qualifications of teaching faculty with D Sc. /D.Litt. /Ph.D./M Phil/PG:

Qualification	Teaching Faculty
D.Sc.	One
Ph.D.	Eighteen
M.Phil./ M.Tech.	Three/One
PG	One

16. Number of faculty with ongoing projects from

a) National: Five

b) International: Nil

c) Agencies and grants received:

S. No.	Title of the project	Status	Duration	Funding agency
1.	Physicochemical studies of homoeopathic drug formulations by using volumetric, acoustic, isometric, optical and conduct metric measurements	Submitted (Accepted)	3 years	CCRH, New Delhi

2.	Synthesis and characterization of nanostructures generated from β -amino acid containing model peptide systems	Ongoing	3 years	UGC-11.5 lakhs
3.	Biodegradable Nano-architecture platform convertible to fluorescent Nano-aggregates on glutathione Stimulus	Recommended	3 years	DBT-25 lakhs
4.	Biodegradable nanoparticle based drug delivery systems	Ongoing	3 years	UGC-7.1 lakhs
5.	Synthesis and Characterization of Biodegradable superabsorbent polymers/ SAP hydrogels for disposable biomedical products	Ongoing	3 years	UGC-10.8 lakhs

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: List of projects discussed above: grants Rs. 73.1875 lakhs from ongoing and completed projects.

18. Research Centre/facility recognized by the University:

The facility has been recognized by the Department Of Chemistry, University of Delhi. Students are registered for Ph.D. Four teachers are involved as supervisors of students for pursuing Ph.D. Under innovation projects teachers have been involved in training undergraduates for carrying out research.

19. Publications:

a) Publication per faculty: 209/20= 10.45

- Number of papers published in peer reviewed Journals (national/international by faculty and students.

Name	No of Publications in referred journals
Dr. A.K.Bhagi	12
Dr. K.P.Singh	07
Dr. Swarita Gopal	10
Dr. Aruna Chikkara	12
Dr. Alka Gupta	30
Dr. Amit Kumar	12
Dr. Vandana	04
Dr. Navneet Manav	10
Dr. Anil. Kumar Nain	69
Dr. Amita Malik	40
Dr. Kalpa Mandal	02
Dr. Amita Dua	06
Dr. Charu Chandra	04
Dr. B.B. Singh	01
Dr. Indraj Kumawat	07
Dr. Devraj	07

Scopus Details	Google Scholar Details
Research Articles included: 85	Research Articles included: 96
Citations: > 1550	Citations: > 1900
h-Index: 25	h-Index: 28
i10-Index: 57	i10-Index: 60
Highest Cited Article: 90	Highest Cited Article: 91

- H-index/Citations of **Dr. Anil Kumar Nain**
- Number of publications listed in International Database (For E.g.: Web of Science , Scopus, Humanities International Complete, Dare Database- International Social Sciences directory, EBSCO host, etc.).

***The above mentioned publications are listed in the web of science and chemical abstracts**

- Monographs/Reviews:

Name of Faculty	Reviews
P. N. Kapoor A. K. Bhagi H. K. Sharma M. Sharma	Heterobimetallic mixed metal oxide (HMMO) nanoparticles and their applications, J. Indian Chem. Soc., 81(2004), 273-280.
Amit Kumar A. K. Bhagi	Antioxidant Chemistry in Human health, International Journal of Therapeutic Applications, Accepted, (2015). (ISSN: 2320-138X).
N Manav Amit Kumar A K Bhagi	Nanocomposite based Non Enzymatic Glucose Bio-sensors, Nano product Review, Accepted, (2015). (ISSN: 2052-5664.
Shilpa Sharma Amita Dua Amita Malik	Polyaspartic acid based superabsorbent polymer- a review, European Polymer Journal, 59(2014), 363-376 (Impact factor=3.22 & ISSN No: 0014-3057).
Shilpa Sharma Amita Dua Amita Malik	Third generation superabsorbent materials for wound dressings, International Journal of Pharmaceutical Science and Research(IJPSR) 2014; Vol. 5(6) 1000-1011 (Impact factor=1.82 & ISSN No: 0975-7538)

- **Chapter in Books:** More than 4 books (listed on page no. 63-73)
- **Books with ISBN/ISSN numbers with details of publishers:** More than 17 books (listed on page no. 63-72)
- **E-content:**

Authored and Designed electronic content on “Chemical Kinetics” chapter for class XIIth students of CBSE and AISSSE Board in “Sakhshat” an e-portal of the Ministry of H. R. D., (2006) Amit Kumar & Swati Agrawal

20. Area of consultancy and income generated: Nil

21. Faculty members in:

a) National committees:

1. Member of core committee formed for designing syllabi for forthcoming under graduate course at Delhi University.
2. Member, Academic Council, University of Delhi (2008-2010), elected
3. Member, Academic Council, University of Delhi (2010-2012), elected
4. Member, Standing Committee of the Academic Council, Academic Matters(2010-2012)
5. Member, Standing Committee of the Academic Council, Admission Advisory Committee (2011-2012)
6. Member, Standing Committee of the Academic Council under Clause -5 of ordinance –II of the Ordinances of the University of Delhi to consider the recommendations made by different Courses Admission Committees
7. Member, Interdisciplinary & Applied Sciences Courses Admission Committee (For Calendar Year 2011)
8. Member, Standing Committee of the Academic Council, Scholarships (2010-2012)
9. Member, Committee to examine Statute 7 (1)(xii) of the Statutes of the University of Delhi [Amendments in the statute upon introduction of several new post-graduate and under-graduate degree courses and also to propose modalities for simplification of the procedure of election of five student members on the Academic Council

10. Member, Committee to examine the existing Ordinance VI-B of the Ordinances of the University of Delhi
11. Member, Departmental Research Committee, Department of Chemistry, University of Delhi (2010-2012)
12. Life Member, Indian Science Congress Association
13. Life Member, Institute of Constitution and Parliamentary Studies
14. Ultrasonic Society of India (Membership No. LM – 120) (2001-2010)
15. Indian Council of Chemists (Membership No. LF – 575)
16. Acoustical Society of India (Membership No. LM – 567)
17. Indian Chemical Society (Membership No. F/6244 LM)
18. Indian Society of Analytical Scientists (Membership No. LM-2071).
19. Life Member of Asian Polymer Association
20. Honorary membership Royal Society Chemistry London

b) International Committees: Nil

c) Editorial Boards:

1. Member in the Board of Associate Editors of the Journal of the Indian Chemical Society (Physical Chemistry Section), ICS, Kolkata (2008-2010).
2. Assistant Editor of the Journal of the Acoustical Society of India, NPL, New Delhi (2009-14).
3. Member in the Publication Committee of the Journal of Pure and Applied Ultrasonic, Ultrasonic Society of India (USI), NPL, New Delhi (2007-2011).

Reviewer of Research Papers for Journals: 27 Journals

Foreign Journals:

- Journal of American Chemical Society, American Chemical Society, USA.
- Journal of Chemical and Engineering Data, American Chemical Society, USA.
- Journal of Solution Chemistry, Springer, USA.
- Journal of Chemical Thermodynamics, Elsevier Ltd., The Netherlands.
- Fluid Phase Equilibria, Elsevier Ltd., The Netherlands.
- Journal of Molecular Liquids, Elsevier Ltd., The Netherlands.
- Food Chemistry, Elsevier Ltd., The Netherlands.
- Thermochimica Acta, Elsevier Ltd., The Netherlands.
- Arabian Journal of Chemistry, Elsevier Ltd., The Netherlands.
- Chemical Engineering Communications, Taylor & Francis Group, USA.
- International Journal of Physical Sciences, Academic Journals, Nairobi, RSA.
- Turkish Journal of Physics, Scientific & Tech. Research Council of Turkey.
- Monatshefte für Chemie, Germany.
- Canadian Journal of Physics, NRC, Canada.
- Journal of Thermodynamics, Hindawi Publishing Corporation, USA.
- Surface and Interface Analysis, Wiley Interscience, USA.
- Physica B: Condensed Matter, Elsevier Ltd., The Netherlands.
- Chemical Papers, Slovak Academy of Sciences, Slovakia.
- Journal of Saudi Chemical Society, Saudi Chemical Society & Elsevier Ltd.
- Advances in Physical Chemistry, Hindawi Publishing Corporation, USA.
- Journal of the Brazilian Chemical Society, BCS, Brazil.

Indian Journals:

- Journal of the Indian Chemical Society, ICS, Kolkata.

- Indian Journal of Physics, IASc, Bangaluru.
- Indian Journal of Pure & Applied Physics, NISCAIR (CSIR), New Delhi.
- Indian Journal of Chemistry A, NISCAIR (CSIR), New Delhi.
- Indian Journal of Chemical Technology, NISCAIR (CSIR), New Delhi.
- Journal of the Acoustical Society of India, ASI, NPL, New Delhi.
- Journal of Pure and Applied Ultrasonics, USI, NPL, New Delhi.

22. Students projects:

- a) Percentage of students who have done in-house projects including inter departmental/programme: 8%
- b) Percentage of students placed for projects in organizations outside the institutions i.e. in Research laboratories /Industry/other agencies: No information available

23. Awards /Recognitions received by faculty and students:

Award/ Recognition	Field
Best Research paper (Oral Presentation)	National Conference on “Modern Trends in Chemical Science and Technology”, held on 15 th –17 th Oct.2005, Jalandhar, India.
Best Poster award	RACES 2015, at MM Modi College, Patiala
Best poster award	National Conference, Ramjas College Relevance of Medicinal Plants in 21st Century.
Best poster award	National Conference organized in 2013 at Dyal Singh College
Best poster award	National Conference at DDU-2013
Best poster award	HIM Congress, 2015
Best technology award	INSME2005- International award
Best technology award	R.N. Bangur Memorial Award-2006

24. List of eminent academicians and scientists/visitors to the department.

Dr. K.L.Kapoor (Hindu College, University of Delhi), Dr.R.K.Sharma, (Department of Chemistry, University of Delhi), Dr. J.M.Khurana, (Department of Chemistry, University of Delhi), Dr.J.L. Sharma, (Kirori Mal College, University of Delhi), Dr.Madhu Chopra, (Ambedkar Centre for Biomedical Research, University of Delhi)

25. Seminars /conferences/Workshops organized & the source of funding:

a) National:

- “Chemistry Education and Research in 21st Century”, February 5-6, 2009 and February 7-8, 2008: UGC, DST
- “Frontiers and Challenges in Pharmaceutical & Environmental Chemistry”, 1st& 2nd March 2013: UGC
- “ Chemistry and Biology Interface”, 11th May 2013: University of Delhi.

b) International: Nil

26. Student profile programme/course wise: See table-ii at page no. 244

27. Diversity of students: See table-iii at page no. 245

28. How many students have cleared national and state competitive examination such as NET, SLET, GATE, Civil Services, Defense services, etc.?

These are generally taken after post-graduation. However some of our students have entered in NET, SLET, GATE, Civil services and defences service, but as such the college doesn't keep the desired information in any formal manner.

29. Student progression: College doesn't keep the desired information in any formal manner.

30. Details of Infrastructural facilities:

- a) Library: College
 b) Internet facilities for staff & facilities: Wi-Fi campus
 c) Class rooms with ICT facility : College
 d) Laboratories: Three chemistry laboratories with one instrument room. Three Research labs are provided for students pursuing research (Project/Ph.D. course).

31. Number of students receiving financial assistance from college, university, government or other agencies: See table-iv at page no. 246-248

32. Details on student enrichment programme (special lectures/workshops/seminar) with external expert: Every year the Chemical Society of the Department invites eminent speakers to enlighten our students. Dr. K.L .Kapoor a well-known Physical chemist delivered a talk.

- Dr. J.L Sharma of Kirori Mal College delivered a talk on safety aspects in the chemical laboratory. Prof. R.K. Sharma and Prof J.M. Kkurlana, Dr. Madhu Chopra from various the Departments delivered talk on various occasions.
- Dr. R.K. Sarin, Chief Research Manager Indian OIL R&D emphasized the need for biofuels for energy & economic security.
- Dr. R.R. Sonde, Executive Director Energy Technology (NTPC) Ltd. described the delivered a much celebrated talk on "Chemistry and Energy: Advances in chemistry to address energy-environment concerns
- Prof. Mihir Deb, Director, School of Environmental Studies, University of Delhi and Prof. Mahesh Rangarajan from University of Delhi cited concerns over global warming and related changes such as sea level rise, changes in rainfall pattern, high magnitude storms, soil moisture and other factors related to environment.
- Dr. R.K. Khandal, Director, Shriram Institute of Industrial Research explained the role of Chemistry in the whole process of pharmaceutical product development and in the growth of health care industries.
- Dr. G.S. Kapur, Sr. Research Manager Indian Oil R&D centre Faridabad magnificently described the various component of the petrochemical industry in his talk "Trends in polyolefin production, catalysts and advanced materials".
- Dr. Rita Kakkar, Department of chemistry, University of Delhi while introducing the subject matter of molecular modeling.
- Dr. N.K Choudhari Scientist INMAS DRDO introduced some of the recent advancement of application of subject matter of photochemistry.
- Mr. Suresh Yadvindra, Director, SISI New Delhi very elegantly introduced the concept of entrepreneurship and explained how the students can utilize their knowledge of chemistry and establish a successful entrepreneurship.
- Mrs. Luna Das Bangia, Education advisor North India USIEF introduced the USIEF and the Fulbright commission in India. Mrs. Luna also provided information on Fulbright Nehru and other fellowships for Indian students' faculty, researchers and professionals.

Special Lectures by faculty:

Name of the faculty	Topics/ Place
Dr. A.K.Bhagi	<ul style="list-style-type: none"> • (We and Nanotechnology)- 4-weeks Orientation Course, Conducted by Centre for Professional Development in Higher Education (CPDHE), University of Delhi, and Delhi 110007 During July 24 to August 22, 2006. • (Non-Equivalent Orbitals)-3-weeks Refresher Course, Conducted by Centre for Professional Development in Higher Education (CPDHE), University of Delhi, and Delhi 110007 During February 14 to March 08, 2011. • (Hybridization)- 3-weeks Orientation Course, Conducted by Centre for Professional Development in Higher Education (CPDHE), University of Delhi, Delhi -110007 During December 1 to December 22, 2011. • (Anomalies in Periodic properties)- Refresher Course for PGT, conducted by Delhi Public school Society, Dwarka, New Delhi; During May 19 to May 22, 2014.

	<ul style="list-style-type: none"> • (Nanoscience and Nanotechnology)-3-weeks Refresher Course, Conducted by Academic Staff College, JMI University, and New Delhi during February 14 to March 08, 2011. • (Matter)-Refresher Course for TGT, conducted by Delhi Public school Society, Dwarka, New Delhi; During June 1 to June 05, 2015 • (Non-Equivalent Orbitals)-3-weeks Refresher Course, Conducted by Centre for Professional Development in Higher Education (CPDHE), University of Delhi, Delhi During 26 December to 15 January, 2013.
Dr. Vandana	<ul style="list-style-type: none"> • (Stereochemistry)-CSTT, GOVT. OF INDIA • (Spectroscopy and its application)-CSTT, GOVT. OF INDIA • (Chemical reactivity & Mechanisms, PART-I-XII)-CEC-UGC
Dr. Amit Kumar	<ul style="list-style-type: none"> • (Alcohol Processing and their Types)-INASL-2007 (Mid Term Conference) organized by M.A.M.C. New Delhi. (18 Aug 2007) • (Atomic Structure I)-Refresher Course for P G Teachers organized by Faculty Development & Research Centre Army Welfare Education Society New Delhi INDIA. (1 May 2009). • Atomic Structure II-(Refresher Course for P G Teachers organized by Faculty Development & Research Centre Army Welfare Education Society New Delhi INDIA. (1 May 2009). • Mathematical Tools for Chemistry Teachers-(Refresher Course for P G Teachers organized by The Delhi Public School Society New Delhi India. (20 May 2014). • Exploring Antioxidant Chemistry through Spectacles of Quantum Mechanics-(Refresher Course for U G Teachers organized by JMI University New Delhi. (15 Oct 2014) • Thermodynamics- Basic Concepts-(Consortium for Educational Communication CEC UGC) • Understanding antioxidant chemistry-(Consortium for Educational Communication CEC UGC) • Current Insights into Oxidative Stress and Chemistry of Antioxidant Molecules-(Refresher Course for U G Teachers organized by JMI University New Delhi. (21 May 2015) • Expansion Work in Thermodynamics-(Consortium for Educational Communication CEC UGC) • Electrically Conducting Polymers-The Materials of 21st Century-(Consortium for Educational Communication CEC UGC) • Chemical Bonding-(Refresher Course for T G Teachers organized by The Delhi Public School Society) • First Law of Thermodynamics-(Consortium for Educational Communication CEC UGC).

Popular Articles for students in magazines: More than 40 popular article (listed on page no. 63-72).

33. Teaching methods adopted to improve student learning.

- Use of ICT tools
- Visit to laboratories involved in actual research like Ranbaxy Laboratories
- Use of chemistry models to have an understanding of actual structure
- Demonstration of experiments to have an understanding of the methodology

34. Participation in Institutional Social Responsibility (ISR) and Extension activities. Yes, as per responsibilities assigned.

35. SWOC analysis of the department ad Future plans:

Strength

- Qualified staff; Well trained and supportive staff to handle the labs;
- Laboratories with requisite facilities; Instruments are available to train students
- Research laboratories for carrying out research work to achieve Ph.Ds.
- Faculty involved in institutional responsibility

Weakness

- Staff to be recruited
- Better quality labs
- Infrastructure needs to be improved
- Limited funds and space for students

Opportunity, Challenges and Future Plans

- Expansion of labs to accommodate more number of students.
- Improving facilities in research labs
- Foreign collaboration for carrying out research.
- Senior visiting faculty to associated for imparting new technologies and understanding new avenues for students
- Industry- Academia relationship to be built up.

Department of Commerce

1. **Name of the department:** Commerce
2. **Year of Establishment:** 1959
3. **Names of Programme / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :** B.Com(Hons.), B.Com (Programme)
4. **Names of Interdisciplinary courses and the departments/units involved:** Economics, Political Science, Hindi, English
5. **Annual/ semester/choice based credit system (Programme wise):** Semester/ CBCS
6. **Participation of the department in the courses offered by other departments:** B.A (Hons.) Economics with Deptt. of Economics, B.Sc. (Hons.) Mathematics with Deptt. of Mathematics.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of courses/ programme discontinued (if any) with reasons:** Nil
9. **Number of Teaching posts**

	Sanctioned	Filled
Professors	-	
Associate Professors	NA	12 (under MPS)
Asst. Professors	31	9 (Permanent); 14 (Ad-hoc)

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc. / D.Litt. /Ph.D. / M. Phil. Etc.,)**

Name	Qualification	Designation	Specialization	No. of year of experience in (yrs.)	No. of Ph.D. Students guided for the last four year
Dr. V.P. Jain	M.Com, M.Phil., PhD	Associate Professor	Accounting and finance	40	NIL
Dr. G.L. Kotwani	M.Com, M.Phil., DCL, PhD	Associate Professor	Marketing and consumer behaviour	40	NIL
Dr. Sunil Kumar	M.Com, PhD	Associate Professor	Financial accounting	39	NIL
Mr. M.C. Gupta	M.Com	Associate Professor	Commerce	39	NA
Dr. Sangeeta Porwal	M.Com, M.Phil., PhD	Associate Professor	Cost Account & Finance	25	NIL
Ms. Minakshi	M.Com, M.Phil. NET	Associate Professor	Marketing & Business Law	25	NA
Dr. Rita Nagpal	M.Com, M.Phil., PhD NET	Associate Professor	Hrm and business management	22	NIL

Ms. Ankita Gupta	M.Com, NET	Associate Professor	Marketing	19	NA
Ms. M.Chaudhary	M.Com., NET	Associate Professor	Finance and ob	19	NA
Ms. J. Khaitan	M.Com., NET	Associate Professor	Cost Accounting & Financial Management	15.5	NA
Dr. Sandeep Garg	M.Com, M.Phil., PhD NET	Associate Professor	Finance	17	NIL
Mr. S.Sinhmar	B.Com, Master in Marketing Technology and CS (executive), NET	Sr. Assistant Professor	Marketing and law	12	NA
Mr Suraj Bhan	M.Com, M.Phil., NET	Assistant Professor	Finance and accounting	12	NA
Dr. M. Sherawat	M.Com,M.Phil., PhD, NET	Assistant Professor	Finance and law	14.5	NIL
Dr. S.Aggarwal	M.Com,M.Phil., PhD, NET	Assistant Professor	Finance	13	NIL
Dr. Neeta Tripathi	M.Com,M.Phil., PhD, NET	Assistant Professor	Finance and international business	12	NIL
Dr. Sonia T. Vij	M.Com,M.Phil., PhD, NET	Assistant Professor	Law	13	NIL
Ms. Kanika Bajaj	M.Com, M.Phil., NET	Assistant Professor	Finance, law and Hrm	8	NA
Dr. Jyoti Paul	M.Com.,M.Phil., PhD, NET	Assistant Professor	Finance and corporate governance	10	NIL
Thirumoorthy. R	M.Com ,M.Phil., P.G.D.C.A, NET	Assistant Professor	Marketing	14	NA
Dr. Ritu Srivastava (A)	M.Com., PhD	Assistant Professor	Finance	10	NA
Dr. Amarjeet Kaur (A)	M.Com, M.Phil., PhD	Assistant Professor	Finance	9.5	NA
Ms. Pooja Chhabra (A)	M.Com.	Assistant Professor	Finance	7	NA
Mr. N. S. Negi (A)	M.Com.	Assistant Professor	Finance	3 years 6month	NA
Mr. Jitender Chawala (A)	M.Com.	Assistant Professor	Finance	3years 9month	NA
Miss Yukti Sharma (A)	M.Com	Assistant Professor	Marketing	3 years 4 months	NA
Ms. Divya Mehta (A)	M.Com.	Assistant Professor	Finance, law	5	NA
Ms. Ritika Tanwar (A)	M.B.A	Assistant Professor	Finance and marketing	3	NA

Ms. Neha Sagar (A)	MBA	Assistant Professor	Hrm and finance	1year 10month	NA
Mr. Arun Kumar (A)	M.Com.	Assistant Professor	Finance and taxation	1year 6months	NA
Mr. Anil Kumar (A)	MBA	Assistant Professor	Finance	3 months	NA
Ms Dhanisha Negi (A)	M.Com.	Assistant Professor	Finance	2	NA
Ms Sanjeevani Sehgal (A)	M.Com, M.Phil.	Assistant Professor	Marketing	3 months	NA
Dr. Pankaj Jain (A)	M.Com., M.Phil., PhD	Assistant Professor	Taxation and accounting	4 year	NA

- 11. List of senior visiting faculty : Nil**
- 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : 40 %**
- 13. Student -Teacher Ratio (programme wise) : See table-i at page no. 243.**
- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :Nil**

15. Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil / PG:Details same as given in Point 10 above.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : One UGC project of Rs. 7,20,000(National)

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University:Nil

19. Publications:

a) Publication per faculty: $107/35 = 3.057$

- Number of papers published in peer reviewed journals (national / international) by faculty and students: 97
- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : NA
- Monographs: Nil
- Chapter in Books: 7
- Books Edited: Nil
- Books with ISBN/ISSN numbers with details of publishers: 4 BOOKS
- Citation Index :

Name of Faculty	No. of papers in journals
Dr. Rita Nagpal	1
Mr. Shishpal Sinhmar	3
Dr. Madhu Sherawat	2
Dr. Shalini Aggarwal	7
Dr. Neeta Tripathi	9
Dr. Sonia Thakkar Vij	3
Dr. Jyoti Paul	4
Dr. Ritu Srivastava	11
Dr. Amarjeet Kaur	5
Ms. Pooja Chhabra	4
Mr. Narender Singh Negi	6
Mr. Jitender Chawla	7
Miss yukti Sharma	8
Ms. Divya Mehta	6
Ms. Ritika Tanwar	5
Ms. Neha Sagar	5
Mr. Arun Kumar	3
Mr. Anil Kumar	5
Ms Sanjeevani Sehgal	3

Name of Faculty	Chapters in Book	Books with ISBN/ ISSN no (publishers details)
Ms. Mamta Chaudhary	2	
Dr. Neeta Tripathi	4	ISBN 8186771964 Serial publications
Mr. Shishpal Sinhmar	1	ISBN 9789384370329 manakin press
Dr. Madhu Sherawat	Full Book	ISBN978818450154 Deep &Deep Publisher, Delhi
Mr. Narender Singh Negi	Full Book	ISBN 978932723515

- SNIP NA
- SJR NA
- Impact factor NA
- h-index NA

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards... Nil

22. Student projects

a) Percentage of students who have done in-house projects including inter

departmental/programme-All students of B.Com (hons) 3rd year take an in- house project under the guidance of faculty members.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: No information available

23. Awards / Recognitions received by faculty and students:

Name of Faculty	Award/ Recognition
Dr. G.L. Kotwani	<ul style="list-style-type: none"> • Post-Doctoral visiting faculty in HASS School of business, Barkley, USA • Chaired, Marketing science conference, 2012, BOSTON, USA at BOSTON University.
Dr. M. Sherawat	• Post Graduate Scholarship From DU (1996-98)
Dr. Pankaj Jain	• Gold medalist in M.A (Eco) from CCS university(2004-2006)

24. List of eminent academicians and scientists / visitors to the department : Nil

25. Seminars/ Conferences/Workshops organized & the source of funding (2013-2015)

a) National :

Seminars/ Conferences/ Workshops	Date	Source of funding
Recent development in capital market	12 th Jan 2012	ICSI and Dyal Singh College
Equity market and Future and options	26 th Sept 2013	ICSI & Investor Education and Protection fund, Ministry of corporate affairs
Chartered Certified Accountant Qualification (ACCA or FCCA)	30 th January, 2014	The Chopra's
Seminar on Wealth management	Aug., 2014	ICFAI
Companies Act, 2013:A move towards better corporate governance	3 rd November 2014	College
Seminar on enhancing skills to face challenges in competitive world	7 th April 2015	NDIM
Seminar on income tax return	13 th Aug.2015	College
Mock Talks	29/09/15	NDIM
Tally workshop	13 th Oct 2015	College
Career in banking and finance	19/10/15	TIMES Pro
Faculty Development Program of National level on Research Methodology and Data Analysis using SPSS	Nov. 16-23, 2015	Self Funded

b) International : Nil

26. Student profile programme/course wise: See table-ii at page no. 244

27. Diversity of Students: See table-iii at page no. 245

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

These are generally taken after post-graduation. However some of our students have entered in NET, SLET, GATE, Civil services and defences service, but as such the college doesn't keep the desired information in any formal manner.

29. Student progression : College doesn't keep the desired information in any formal manner.

30. Details of Infrastructural facilities

- a) Library-
- b) Internet facilities for Staff & Students
- c) Class rooms with ICT facility
- d) Laboratories- Computer

31. Number of students receiving financial assistance from college, university, government or other agencies : See table-iv at page no. 246-248

32. Details on student enrichment programme (special lectures / workshops / seminar) with external experts: Every year we conduct a departmental festival "Communique" (2 days) of commerce society and invite experts to deliver a lecture on various aspects of business and related activities including future avenues.

33. Teaching methods adopted to improve student learning : Lectures, Tutorials, case studies, group discussions and PPTs

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: whole department enthusiastically participated in all ISR like Swaach Bharat Abhyaan, Van Mahotsav, Blood Donation camps.

35. SWOC analysis of the department and Future plans :

Strengths

- Experienced, dedicated and competent Faculty
- Placements records average package of 2.8lks with KPMG, Wipro, EnY and Genpact
- Value added education
- Facilities offered to students –Library books
- Seminar organized at national level
- Departmental Newsletter-(First issue in 2014) "VOYAGE"
- Faculty development programme to be organized
- Outdoor and recreational activities

Weakness

- Absence of access to sufficient e-resources for research.& Individual room for

faculties

- Insufficient infrastructure for students to accommodate high enrollment of students

Opportunity, Challenges and Future plans

- To make class rooms and computer labs more interactive by using ICT
- To invite more experienced faculty for providing market oriented knowledge to students.
- To impart well versed industry exposure to students.

Department of Computer Science

1. **Name of the Department :** Computer Science
2. **Year of establishment:** 1984
3. **Names of programme offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt. etc.):** B.Sc. Physical Science Computer Science
4. **Name of Interdisciplinary courses and the departments/units involved:**

Courses	Departments
B.Sc. Physical science Computer Science	Computer Science
B.Sc. Physical Science	Physics, Chemistry, Mathematics, English, Computer Science, Biology
B.Sc. Life Science	Chemistry, Mathematics, English, Computer Science, Biology

5. **Annual/Semester/Choice Based Credit System :** Semester, CBCS
6. **Participation of the department in the courses offered by other departments:**
Botany, Zoology, Chemistry, Physics, Mathematics.
7. **Courses in collaboration with other universities, industries, foreign institutions etc.:** NIL
8. **Details of courses/ programme discontinued (if any) with reasons:**
 - BIT (Bachelor of Information Technology) course discontinued by UGC
 - B.Sc. Applied Physical Science with Computers (Renamed due to change over to semester system by university)
 - B.Sc. General Computer Science (Renamed)

9. **Number of teaching posts:**

Posts	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	5	2 Permanent promoted to Asso.Prof. under CAS. Rest on Adhoc basis.

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M.Phil. etc.,):**

Name	Qualification	Designation	Specialization	No. of Years of Experience in (yrs.)	No. of Ph.D. students guided for the last 4 years
Dr. Anita Goel	M.C.A .Ph.D	Associate Professor	Cloud Computing, Software Engineering, Education Mgmt.	27 years	Completed-2 Submitted-1 Pursuing-3
Dr. Hema Banati	M.C.A Ph.D	Associate Professor	HCI, Social Networks, Nature Inspired Computing	20 years	Completed-5 Pursuing-4
Ms. Shilpi Taneja (A)	MCA	Asst. Prof.	Computer Applications	5 yrs	NA
Ms. S.Taneja (A)	MSc (Computer Science)	Asst. Prof.	Computer Applications	2.5 yrs	NA

- 11. List of senior visiting faculty:** Nil
- 12. Percentage of lectures delivered and practical classes handled (program wise) taken by temporary faculty:** Temporary faculty had been employed in the past to handle both practical and theory classes as and when required.
- 13. Student Teacher Ratio (program wise):** See table-i at page n o. 243.
- 14. Number of academic support staff (technical) and administrative staff: sanctioned, and filled:**

Staff	Sanctioned	Filled
Sr. Tech. Assistant	3	2
Lab. Attendant	1	0

- 15. Qualifications of teaching faculty with DSC/ D.Litt./ Ph.D./ M.Phil./ PG:**

Faculty	Qualification
Dr. Anita Goel	MCA(Univ. of Delhi), PhD(JamiaMilliaIslamia)
Dr. Hema Banati	MCA(Univ. of Delhi), PhD(Univ. of Delhi)
Ms. Shilpi Taneja	MCA
Ms. Sheetal Taneja	MSc(Computer Science)

- 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:**

Name of Faculty	Grants received
Dr. Anita Goel	<ul style="list-style-type: none"> Co-investigator in Interdisciplinary project funded by Delhi University Innovation Council, titled, "Automated Solar Powered Car Blower to Maintain Cabin Temperature in Parked Car", 2015.
Dr. Hema Banati	<ul style="list-style-type: none"> Co-project investigator in Delhi University funded project entitled "Liquid-Liquid Extraction of Dyes from Textile Industry Waste Waters Using Green Solvents-Ionic Liquids", 2015-16

- 17. Departmental projects funded by DST – FIST; UGC, DBT, ICSSR etc. and total grants received:**

Faculty Name	Project Name	Year	Funded By	Grants Received
Dr. Anita Goel	Development of e-Device Application and Behavior Analysis	2013-2015	University of Delhi Innovation council	Rs. 5,00,000/-
	Development of Zoology E-Museum for courses of University of Delhi	2012-2013	University of Delhi Innovation council	Rs. 10,00,000/-

- 18. Research Centre / facility recognized by the University:** The computer department provides Wi-Fi enabled laboratory facility for PhD students enrolled with Faculty members of the department registered as Ph.D. supervisors.

19.Publications:

a) Publication per faculty: 12.2

- Number of papers published in peer reviewed journals (national / international) by faculty, students, citation index, impact factor, h-index

Name of faculty	No. of papers published in peer-reviewed journals	No. of publications listed in international database	Citation Index	SNIP	SJR	Impact Factor	h-index
Dr. Anita Goel	18	Web of Science – 1 Scopus – 16 DBLP-16	62	0.781 0.200 0.423 0.731	0.279 0.117 0.216 0.041	-	5
Dr. Hema Banati	22	DBLP -25 ACM-12 Scopus - 26 ResearchGate-45	252	5.220 1.538	4.638 0.711 0.3	0.965(5 yr) 0.672(2014) -3.32	8
Ms. Shilpi Taneja	4	Scopus - 1	6	-	-	-	1
Ms. Sheetal Taneja	5	DBLP - 1	-	-	-	-	-

Name of faculty	Name of Journal	SNIP	SJR	Impact Factor
Dr. Anita Goel	International Journal of Web Engineering and Technology	0.781	0.279	-
	International Journal of Information Technology and Web Engineering	0.200	0.117	-
	International Journal of Systems Assurance Engineering and Management	0.423	0.216	-
	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	0.731	0.041	-
Dr. Hema Banati	Swarm and Evolutionary Computation(SCI Indexed)	5.220	4.638	-
	Computers and Electrical Engineering	1.538	0.711	0.965(5 yr)
	Journal of Computer Science	-	0.3	0.672(2014)
	International journal of computer science & information Technology	-	-	3.32

- Monographs:
- Chapters in Books:
- Books Edited:
- Books with ISBN/ISSN numbers with details of publishers:

Name of faculty	Chapters in Books	Books with ISBN/ISSN numbers with details of publishers
Dr. Anita Goel	-	14
Dr. Hema Banati	5	1 (co-author) in press
Ms. Sheetal Taneja	1	-

Name of faculty	Title of the Books(s)	Publisher (city/country) & ISSN/ ISBN No. / Page Numbers
Dr. Anita Goel	Computer Fundamentals	Pearson Education/Delhi/India ISBN 978-81-317-3309-7
	e-world Computers: Basics and Applications, ICSE Edition Book 6	Pearson Education/Delhi/India ISBN 978-81-317-6537-1
	e-world Computers: Basics and Applications, ICSE Edition Book 7	Pearson Education/Delhi/India ISBN 978-81-317-6538-8
	e-world Computers: Basics and Applications, ICSE Edition Book 8	Pearson Education/Delhi/India ISBN 978-81-317-6539-5
	Basic Computer Engineering (Rajiv Gandhi Proudhyogiki Vishwavidyala)	Pearson Education/New Delhi/India ISBN: 978-81-317-6526-5
	Basic Computation and Principles of Computer Programming (West Bengal Technical University)	Pearson Education/New Delhi/India ISBN: 978-81-317-5963-9
	C Programming and Numerical Analysis (Acharya Nagarjuna University, Andhra Pradesh)	Pearson Education/New Delhi/India ISBN: 978-81-317-7026-9
	Computer Concepts and Programming in C (GautamBudh Technical University (GBTU))	Pearson Education/New Delhi/India ISBN: 978-81-317-6713-9
	Computer Programming-I, University of Mumbai	Pearson Education/New Delhi/India ISBN: 978-81-317-6615-6
	Computer Programming (SantGadge Baba Amravati University, Maharashtra)	Pearson Education/New Delhi/India ISBN: 978-81-317-6589-0
	Fundamentals of Computer and Programming (Uttarakhand Technical University (UTU))	Pearson Education/New Delhi/India ISBN: 978-81-317-6618-7
	Computer Programming, JNTU Kakinada	Pearson Education/New Delhi/India ISBN: 978-93-325-2161-2
	Computer Programming, JNTU Hyderabad	Pearson Education/New Delhi/India ISBN: 978-93-325-2160-5
	Computer Fundamentals and Programming in C	Pearson Education/New Delhi/India ISBN:978-93-325-1934-3

20. Areas of consultancy and income generated: N.A

21. Faculty as members in:

a) National committees b) International Committees c) Editorial Boards...

The faculty members of the department have been involved as advisors and members of

various committees:

Faculty	Memberships
Dr. Anita Goel	<p>National Committees</p> <ul style="list-style-type: none"> • Life Member of Computer Society of India • Member of Committee of Department of Computer Science, Course development for FYUP • Member of Board of Research Studies for Humanities,DU,2006-2010 • Member of Departmental Research Committee, Department of Computer Science, DU, 2006-2010 • Member, Advisory committee, 2nd National Conference,ETCSIT,2009 <p>International Committees</p> <ul style="list-style-type: none"> • Member of World Academy of Science, Engineering and Tech. Journal. • Professional membership, ACM 2011-12 • Session Chair, The 2015 International Conference on High Performance Computing & Simulation (HPCS 2015), July 2015, Amsterdam, Netherlands • Technical Committee Member, IEEE Big data Congress 2015, 4th International Congress on Big Data, Jun 27 - July2, 2015, New York, USA • International Conference Committee, ICWI 2015 : 17th International Conference on Web Intelligence, San Francisco, USA, June 7 - 8, 2015 • Seventh International Conference on Wireless, Mobile Network & Applications (WiMoA 2015) , May 2015, Delhi, India • Program Committee Member, BDA 4th International Conference on Big Data Analytics-2015, December 15-18, 2015, Hyderabad, Telangana State, India • Program Committee Member, Second International Conference on Signal and Image Processing (Signal 2015) , Nov 2015, UAE, Dubai • Program Committee Member, International Conference on Networks, Communications, Wireless and Mobile Computing (NCWC- 2015), August 2015, UAE, Dubai • Program Committee Member, Fourth International Conference on Computer Science, Engineering and Applications (CCSEA-2014) , March 2014, Chennai, India • Program Committee Member, ICWIS 2015 : 17th International Conference on Web Intelligent Systems, Dubai UAE, April 2015 <p>Editorial Boards</p> <ul style="list-style-type: none"> • Editor-in-Chief, Blue Ocean Research Journal (Science and Engineering) • Member, Editorial Board, International Journal of Information, Communication and Computing Technology (IJICCT), ISSN 2347-7202 • Member, Board of Referees, International Journal of Information Technology, ISSN 0973-5658
Dr. Hema Banati	<p>National Committees</p> <ul style="list-style-type: none"> • Advisory Committee to four students pursuing/completed PhD from the Department of Computer Science, University of Delhi. • Member of Committee of Department of Computer Science, Course development for FYUP and previous courses • Member of Board of Research Studies for Humanities, University of Delhi, 2010-12. • Member of Departmental Research Committee, Department of Computer Science, University of Delhi,2010-2012 • Member working committee for the International Mathematics conference “the Legacy of Ramanujan” held from 17-22 December 2012

	<p>at the University of Delhi.</p> <ul style="list-style-type: none"> • Member working committee for the Turing Centenary Celebrations organized by the University of Delhi and ACM Delhi Chapter held on September 29 2012. <p>International Committees</p> <ul style="list-style-type: none"> • Member Technical Program Committee ICRCICN - 2015 IEEE International Conference on Research In Computational Intelligence and Communication Networks • Member Program committee Track (Technology): Made in India – GHCI December, 2015 • Member Technical Program- Special Session on Recent Trends in Data Intensive Computing and Applications in Conjunction with 3rd International Conference on Information System Design and Intelligent Applications (INDIA 2016) • Member Technical Program Committee WCI 2015 – Third International Symposium on Women in Computing and Informatics • Member Technical Program Committee ICACCI 2015- 4th International Conference on Advances in Computing, Communications and Informatics • Member Technical Program Committee ICACCI 2013- 2nd International Conference on Advances in Computing, Communications and Informatics • Member, CGPublisher society. <p>Editorial Boards</p> <ul style="list-style-type: none"> • Associate Editor, International Journal of Technology, Knowledge and Society (technical papers).
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22. Student projects

- a) Percentage of students who have done in-house projects including inter-departmental projects.
 - 5 students of computer science department participate as student investigator in Innovation Project titled “Development of e-device Application and Behavior Analysis” out of total 10 student investigators in the project.
 - 4 students of computer science department participated in Innovation Project titled “Development of Zoology E-Museum for courses of University of Delhi” out of total 10 student investigators in the project.
 - Two Students Deepanshi Bajaj and Harsh Sirohi participated in Gyanodaya IV research project titled “Team SWITCH” (2014)
 - In the previous programme run by the department, all the students of final year participated in- house projects as part of their curriculum.
- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/ Industry/ other agencies.
 - Two students Sonam Kandpal and Navya Jaiswal underwent NSDC Skill Training Programme for 2 months, 2015.
 - Deepanshi did Android Developer Internship from 24 March 2015 – to 24 April 24 2015 in The Anti Alias.
 - Harsh underwent internship at JMD Turf India as Sales and Marketing officer from 15 July 2014- 30 September 2014.
 - Harsh is a member of Rotary Club.

23. Awards / Recognitions received by faculty and students:

Faculty

Awardee	Faculty/ Student	Period	Award /Recognition Details
Dr. Anita Goel	Associate professor	2015	Teacher Excellence Award for Innovation, University of Delhi, 93 rd Foundation Day, Development of e-Device Application for Students and Behavior Analysis
		2015	Best Innovative Idea, Antardhwani, University of Delhi, Innovation project DSC-204 Development of e-Device Application for Students and Behavior Analysis
		215	Best Display Award, Antardhwani , University of Delhi, Innovation project DSC-204 Development of e-Device Application for Students and Behavior Analysis
		2015	Recognition of 25 years of service in Dyal Singh College, University of Delhi
		2015	International Paper Presentation at The 2015 International Conference on High Performance Computing & Simulation (HPCS), Amsterdam, Netherlands
		2015, 2013, 2008-2010	Visiting Faculty, Delhi Technological University (Earlier DCE), Bawana, for Teaching Post graduate courses – MTech (Software Engineering)
		2012	Adjunct Faculty, NIIT University, Neemrana, for Teaching Post graduate courses – MCA
		2010-2011	Fellow in Computer Science and Academic Secretary for 6 months (Administration), On Deputation, Institute of Life Long Learning (ILL) University of Delhi
		2009	Course convener for Refresher course in Computer Science, conducted by Centre for Professional Development and Higher Education (CPDHE), Delhi University.
		2007	Best Paper Award for the paper titled Aspect Oriented Programming – A Programming Paradigm, In National Conference on IT – Present Practices and Challenges, Delhi
		2005-2006, 2010	Visiting Faculty, Department of Computer Science, University of Delhi, for Teaching Post graduate courses – MSc, MCA
		2003	International Paper Presentational Fundamental Approaches to Software Engineering (FASE), Warsaw, Poland
		2003	International Paper Presentation at Asia-Pacific Software Engineering Conference (APSEC), IEEE Computer Society Press, Chiang Mai, Thailand
		1999	Certificate of Merit, by Academic Staff College, JamiaMilliaIslamia, New Delhi, during the Four week orientation programme sponsored by UGC
1985-1988	Merit Scholarship by Delhi University for three years		

Dr. Hema Banati	Associate Professor	2007, 2009	Visiting Faculty, Department of Computer Science, University of Delhi, for Teaching Post graduate courses – MSc, MCA
		2007	Best paper award in the 3-week Refresher course in Computer Applications (Sep20 –Oct 11, 2007) conducted by CPDHE, University of Delhi.
		1998-2000	Visiting Faculty, JamiaMilliaIslamia, for Teaching Post graduate courses – MSc, MCA, MSS
		1998	First Prize in subject Presentation at the Fortieth 4-week Orientation Programme held at the Academic Staff College, JamiaMilliaIslamia, and New Delhi.
		1985	Merit certificate for being amongst the top one(1%) percent of successful candidates in Science(AISS E)
Shilpi Taneja	Assistant professor	2015	Teacher Excellence Award for Innovation, University of Delhi, 93 rd Foundation Day, Development of e-Device Application for Students and Behavior Analysis
Mr. Neeraj Saxena	Scientific Assistant	2015	Recognition of 25 years of service in Dyal Singh College, University of Delhi
Mrs. Renu Saxena	Scientific Assistant	2015	Recognition of 25 years of service in Dyal Singh College, University of Delhi

Students

2015	Mansi Singh	Student	Smt. Pushpa Goel Memorial Prize
2015	Mansi Singh	Student	Academic Prize for securing 1st position in 2013-14
2015	Deepti Chauhan	Student	Academic Prize for securing 2nd position in 2013-14
2015	Deepanshi Bajaj	Student	NSS-Medal and Certificate of outstanding performance
2015	Sonam Kandpal	Student	NSS-Medal and Certificate of outstanding performance

24. List of eminent academicians and scientists/ visitors to the department:

Prof S. C. Gupta- Mentor of Innovation Project ‘Development of e-Device Application and Behavior Analysis (2013-15)’, Prof. Ramesh Aggarwal-Invited as chief guest in hands-on training and workshop on ‘Web Development’, 13th April,2013, Dr. Ajay Gupta-Director, Delhi University Computer Center, invited as a eminent guest in Inter College Computer festival - ‘Computer Jam’ in 2009.

25.Seminars/Conferences/Workshops organized and the source of funding:

a) National:

Name of Faculty	National
Dr. Anita Goel	<ul style="list-style-type: none"> Hands-on training and workshop was organized on ‘Web Development’ on 13th April,2013.It was funded by Innovation council, DU Inter College Computer festival, ‘Computer Jam’ was organized in 2009.

b) International:

Name of Faculty	International
Dr. Hema Banati	<ul style="list-style-type: none"> • Co-organized special session “Evolution of an Intelligent Knowledge Society” (EIS'12) held in conjunction with 12th International Conference on Intelligent Systems Design and Applications (ISDA), IEEE, November 27-29, 2012, Kochi, India. (funding conference organizers) • Co organized special session “Trends in Computational Web Intelligence” (TCWI'12) in conjunction with IEEE Twelfth Edition of Hybrid Intelligent Systems (HIS) Conference, December 04-07, 2012, India. (funding conference organizers)

26. Student profile programme/course-wise: See table-ii at page no. 244.

27. Diversity of students: See table-iii at page no. 245.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services and Defense Services etc.?: NIL

These are generally taken after post-graduation. However some of our students have entered in NET, SLET, GATE, Civil services and defences service, but as such the college doesn't keep the desired information in any formal manner.

29. Student progression College doesn't keep the desired information in any formal manner.

30. Details of Infrastructural facilities:

- a) Library:
 - i. Approx. 2200 books on Computer Sciences
 - ii. Subscription to Digit, PC Quest and Electronic for You.
 - iii. Due to paucity of resources (space and manpower) the books and periodicals are maintained by the college library which also provides.
 - a. Access to e-resources/Databases subscribed by Delhi University library System
 - b. IT based services to visually impaired students with JAWS software, Scanner and Braille printer.
 - c. Access to N-list program of MHRD/UGC as the college library is a member of National Library and Information Services infrastructure for scholarly content
- b) Internet facilities for Staff and Students:
 - i. LAN connected computer department laboratories
 - ii. Department faculty room and laboratories completely Wi-Fi enabled
 - iii. Webmail facility based on domain dsc.du.ac.in is available for faculty members.
 - iv. Provision of unique id and password for every student and teacher for accessing Internet through Wi-Fi.
- c) Class rooms with ICT facility:
 - i. Traditional teaching supplemented with ICT for provision of a better learning environment

- ii. Dedicated classroom for students of the department for smooth conduct of classes.
- d) Laboratories:
 - i. Two well-spaced computer laboratories
 - ii. Complete usage of open-source software for instilling and promoting the use of open source culture in the students of the department.
 - iii. ICT enabled laboratories with attempts of regular updation to state of art computer systems
 - iv. Technical specifications:

IT Equipment	Count
Total Working Systems	24
Printer/Scanner	4

- v. Students have access to software such as Open Office, Dev C++, GAMBAS, MySql, and Flash 8. Hardware facilities such as printers and scanners are also available.

31. Number of students receiving financial assistance from college, university, government and other agencies: See table-iv at page no. 246-248.

32. Details of student enrichment programmes (special lectures/workshops/seminar) involving external experts.

Name of Faculty	Seminars
Dr. Anita Goel	<ul style="list-style-type: none"> • Hands-on training and workshop was organized on 'Web Development' on 13th April, 2013. It was funded by Innovation council, DU. • Inter College Computer festival, 'Computer Jam' was organized in 2009.

33. Teaching methods adopted to improve student learning:

- Teaching in classrooms takes place through traditional chalk and talk method assisted by use of projectors for improving teaching methodology and student learning. Project based learning is promoted by assigning and evaluating the projects generally assigned at the semester end. Learning experience is further enhanced by holding presentations and group discussions in classrooms which promotes peer learning. Students are encouraged to program through lab experiments thus, promoting experimental learning. Our faculty members are always available for one-to-one student teacher interaction for understanding and solving problems faced by students. Often at the semester end, a feedback is taken from students for improving learning methodology.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- **Swachh Bharat Abhiyan** - The staff and students of the Computer Science Department actively contributed to the national campaign of Swachh Bharat Abhiyan initiated by the Government of India. In collaboration with NGO India Vision Foundation whose chairperson is Dr. Kiran Bedi, the college has taken up the task of keeping the road in front of Sai Mandir and other adjacent temples clean on 8 January 2015, in which our department actively participated. To further take this programme, Swachh Bharat Abhiyan is undertaken in Sai Mandir every Thursday from 3pm to 4pm. The faculty and students of department also participated in the Swachh Bharat Abhiyan

observed in College premises on 2nd October 2014, 14th November 2014, 31st December 2014, and 4th January 2015. Besides cleanliness drive within the college campus, students actively participated in competitions like pot painting, slogan writing etc.

- **Good Governance Day** - The College observed 'Good Governance Day' on 19 December 2014 in college auditorium at 11 am by holding a seminar on the topic 'Use of technology in Promoting Good Governance'. Dr. Anita Goel and two students presented their views on the related themes.

- **Unity Run** - The entire department participated enthusiastically in the Unity Run organized by college on the occasion of birth anniversary of Sardar Vallabh Bhai Patel.

- **Part of NCC unit** - Several students from our department such as Deepanshi, Divyani are part of NCC unit. The NCC cadets have not only played a vital role in building and sustaining the high standards but have also contributed significantly to the academic life of the institution. NCC cadets took part in social activities like- Blood donation, Anti drug rally, Tree plantation.

35. SWOC analysis of the department and Future plans:

Strengths:

- 100% doctorate faculty (permanent staff)
- Strong focus on research by the entire computer department staff
- a) Permanent faculty is actively involved in
 - i. Guiding research students pursuing Ph.D; Pursuing projects
 - ii. Regular organizing of conferences and workshops; Publication of research papers in national/international conference/journal; Global interface of research through involvement as TPC members in international conferences.
 - iii. Strong inclination of Adhoc faculty towards research is apparent through their updated research publications.

Weakness:

- Utilization of the potential of experienced staff can be expanded by substantiation of existing resources in terms of space and equipment.

Opportunities:

- Department will seek participation in more national and International Projects. Department will work towards organizing more workshops seminars and conferences Will increase industry interaction and enrich students to make them competent as per industry demand.

Challenges:

- Technology is changing on a fast pace thus, the infrastructure needs to be updated on regular basis in order to prevent it from becoming obsolete.
- Provision of more exposure to technology upgrades in this ever changing global technological scenario to our students

Future Plan:

- To introduce add-on courses on latest technologies to enhance skills of students.
- A vision of bringing technological awareness and adeptness not only to our department students but to each and every student willing to learn.

Department of Economics

1. **Name of the department** :Economics
2. **Year of Establishment** : 1959
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)** : B. A (Hons) Economics (Three years course)
4. **Names of Interdisciplinary courses and the departments/units involved**:B. A. Program with Department of Political Science, History and Geography etc.
5. **Annual/ semester/choice based credit system (programme wise)**: Semester, CBCS.
6. **Participation of the department in the courses offered by other departments**:Participation in teaching with Department of Political Science, History and Geography, English, Hindi etc.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.** :Nil
8. **Details of courses/ programmes discontinued (if any) with reasons** :B. A. (H) Economics FYUP due to rolled back by DU
9. **Number of Teaching posts**

Posts	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Nil
Asst. Professors	19	8 out of 19 are permanent (7 out of 19 are promoted to Associate Professor under MPS/CAS and 1 is Assistant Professor), 10 on ad-hoc and 2 guest against 1 PWD Post (VH) are currently filled.

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc. / D.Litt. /Ph.D. / M. Phil. Etc.):**

Name	Qualification	Designation	Specialization	No. of year of experience in (yrs.)	No. of Ph.D. students guided for the last four years
Ms. Sandhya Varshney	MA, M.Phil.	Associate Prof.	Mathematical Methods for Economics & MicroEconomics	27	NA
Ms. Chandra Goswami	MA, M.Phil.	Associate Prof.	Advance Economic Theory, International Economics & Econometrics	27	NA
Ms. Rashmi Mittal	MA, M.Phil.	Associate Prof.	Econometrics	30	NA
Dr. Shashi Chopra	MA, Ph. D	Associate Prof.	Development Economics	25	Nil
Ms. Vandana Tulsiyan	MA, M.Phil.	Associate Prof.	Econometrics & MicroEconomics	25	NA

Ms. Ruchi Gupta	MA, M.Phil. NET	Assoc. Prof.	Development Economics	20	NA
Mr. Sanjay Kumar	MA, M.Phil. NET	Assoc. Prof.	Regional Economics	16	NA
Mr. Bibek Kumar Rajak	MA, M.Phil. NET	Assistant Prof.	Labour and Development Economics	14	NA
Ms. Neetu Khular (A)	MA	Assistant Prof.	Basics of Economics	8	NA
Mr. Amit Girdharwal (A)	MA	Assistant Prof.	Macroeconomics & International Economics	8	NA
Dr. Geeta (A)	MA, Ph. D	Assistant Prof.	Public Economics & Macro - Economics	9	NA
Ms. Apeksha Singh (A)	MA	Assistant Prof.	MicroEconomics & Environmental Macroeconomics	4	NA
Ms. Swati Saini (A)	MA, M.Phil.	Assistant Prof.	MicroEconomics & Introductory Economics	3	NA
Mr. N. Selvaraj (A)	MA, Ph. D	Assistant Prof.	Development Economics & Indian Economy	3	NA
Ms.Sangeeta Meena (A)	MA, M.Phil.	Assistant Prof.	Political, Micro & Public Economics	5	NA
Ms. Taruna Rajora (A)	MA	Assistant Prof.	Macroeconomics	1	NA
Ms. Chaitanya Pd. Goriya (A)	MA, M.Phil.	Assistant Prof.			NA

11. List of senior visiting faculty:N.A.

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: 58% (by Ad-hoc and Guest faculty)

13. Student -Teacher Ratio (programme wise): See table-i at page no. 243.

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A

15. Qualifications of teaching faculty with DSC/ D.Litt. / Ph.D. / MPhil / PG: Details given in Point 10 above.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: 02 (one ICSSR Project of Rs. 7,50,000/= and one Innovation Project)

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received :Nil

18. Research Centre /facility recognized by the University:Nil

19. Publications:

a) Publication per faculty:>1

- Number of papers published in peer reviewed journals (national / international) by faculty and students: Nil

- Number of publications listed in International Database (For E.g.: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): Nil
- Monographs: Nil
- Chapter in Books: As below

Name of Faculty	Chapter in Books/EBooks
Sanjeev Kumar	14
Amit Girdharwal	8
Vandana Tulsyan	2
Taruna Rajora	4

- Books Edited: 12 EBooks Co-edited by Mr. Bibek Kumar Rajak
- Books with ISBN/ISSN numbers with details of publishers:

Name of Faculty	Books/EBooks
Bibek Kumar Rajak	3
Sanjeev Kumar	1

- Citation Index

Name of Faculty	No. of papers in journals	Citations
Bibek Kumar Rajak	5	Nil
Geeta Rani	1	NIL
Sanjeev Kumar	14	NIL
Amit Girdharwal	2	NIL
N. Silvaraj	2	NIL
Vandana Tulsyan	2	NIL

- SNIP:
- SJR:
- Impact factor:
- h-index :

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

- a) National committees b) International Committees c) Editorial Boards....

Bibek Kumar Rajak is an assistant Editor in an International Journal in Applied Ethics.

22. Student projects:

- a) Percentage of students who have done in-house projects including inter departmental/programme No information available
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies No information available

23. Awards / Recognitions received by faculty and students:Ms. Taruna Rajoura received Dr. Ram Manohar Lohia Gold Medal for 1st position in M.A. Economics.

24. List of eminent academicians and scientists / visitors to the department:Prof. S.P. Panda (Delhi School of Economics), Prof. Pulin B. Nayak, Prof. Purnima Das Gupta (Institute of Economic Growth).

25. Seminars/ Conferences/Workshops organized & the source of funding:

a) **National:** Nil

b) **International:** Nil

26. Student profile programme/course wise: See table-ii at page no. 244.

27. Diversity of Students : See table-iii at page no. 245.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

These are generally taken after post-graduation. However some of our students have entered in NET, SLET, GATE, Civil services and defence service, but as such the college doesn't keep the desired information in any formal manner.

29. Student progression : College doesn't keep the desired information in any formal manner.

30. Details of Infrastructural facilities

a) Library: As usual

b) Internet facilities for Staff & Students: As usual

c) Class rooms with ICT facility: As usual

d) Laboratories: NA

31. Number of students receiving financial assistance from college, university, government or other agencies: See table-iv at page no. 246-248.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts : Nil

33. Teaching methods adopted to improve student learning : As usual

34. Participation in Institutional Social Responsibility (ISR) and Extension activities : Nil

35. SWOC analysis of the department and Future plans :

Strengths

The faculty members of the department are highly qualified and motivated. Among us we have some with PhD while some are pursuing it along with teaching. Ours is a cohesive group with multiple specializations. For example, some of us are specialized in econometrics, microeconomic theory, macroeconomic theory, Indian Economics, public

Economics and so on. The department has also undertaken various kinds of research work under UGC and other research organisations. Some of us have publications in recognized national and international journals. At the same time the department has contributed towards the University of Delhi's distance learning programme extensively.

Weaknesses

There is an acute shortage of permanent teaching faculty in the department. This leads to overcrowded class room. The research facilities for the teachers in the college are inadequate. The department would benefit immensely if small cubicles for the teachers are provided along with good research facilities.

Opportunities & Challenges

With improved infrastructure the department can meaningfully and actively participate in policy formation for the country. It can also undertake more research works devote more time towards the ability building of its members.

Economics is an evolving subject. With our limited number of faculty members, financial resources and space we constantly do a balancing exercise.

Future plans

The department of Economics, Dyal Singh College, has managed to make a name for itself in the academic circle. We would like to continue with its endeavor for excellence.

Department of English

1. **Name of the department:** English
2. **Year of Establishment:** 1959
3. **Names of Programmes / Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** under graduate, post graduate
4. **Names of Interdisciplinary courses and the departments / units involved:** Environmental Studies, MIL-Bengali and Philosophy
5. **Annual/ semester/choice based credit system (programme wise):** Semester mode, CBCS, FYUP (final year).
6. **Participation of the department in the courses offered by other departments:** Almost every course in the college has a component for English department.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of courses/ programmes discontinued (if any) with reasons:** As such no
9. **Number of teaching posts**

Posts	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	21	03 promoted to Assoc. Prof. and 18 Assit. Prof.
Guest Lectures		01 Assit. Prof.

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc. / D.Litt. / Ph.D. / M. Phil. Etc.,)**

Name	Qualification	Designation	Specialization	No. of years of experience in (yrs.)	No. of Ph.D. students guided for the last 4
Ms. Madhavi Bhalla	MA, M.Phil.	Assoc. Prof.	English Novel	30	NA
Dr. Kokila Sehgal	MA, Ph.D.	Assoc. Prof.	British fiction	25	Nil
Ms. Pema yolmo	MA, M.Phil. NET	Asst. Prof.	English Education in Schools in West Bengal	17	NA
Mr. Sachin N.	MA, M.Phil. NET	Asst. Prof.	Indian & Dalit literature, Literary theory	14	NA
Dr. Ayesha Irfan	M.A, M.Phil. Ph.D. NET	Associate Prof	African Literature & Translation	16	Nil
Mr. Anshuman Singh	M.A., M.Phil. NET	Asst. Prof.	Drama	15	NA
Ms. Shyista Aamir Khan	M.A., M.Phil. NET	Asst. Prof	Women's writing, Post colonial lit.	11	NA
Ms. Simran	M.Phil. NET	Asst. Prof	English Literature, Post Colonial Studies	13	NA
Mr. Suresh	Ph.D. NET	Asst. Prof	English Lang.	10	Nil

MrViraj Kafle	M.A., M.Phil.	Asst. Prof	Contemporary literature	8	NA
Mr.Yash Pal Singh	M.A., M.Phil., NET	Asst. Prof.	Post Colonial Literature	5.5	NA
Ms.Mereleen Lily Lyngoon Y.	M.A., M.Phil., NET	Asst. Prof.	Print & Documentation in the Khasi Hills	3	NA
MrShivranjan Singh Yadav	M.A., M.Phil., NET	Asst. Prof.	Indian Drama in English, Gender Studies	8.5	NA
Dr. Uma	M.A, M.Phil. Ph.D., NET	Asst. Prof.	Indian Poetry	2	Nil
Dr.Himanshu Sharma	M.A, M.Phil. Ph.D., NET	Asst. Prof.	British Drama	8	Nil
Dr. Alka Sharma	M.A, Ph.D., NET	Asst. Prof.	English Poetry of Rabindernath Tagore	9	Nil
Dr.Dinesh Panwar	M.A, M.Phil. Ph.D., NET	Asst. Prof.	Modern British Drama	6.5	Nil
Ms.Maumita Sarkar	M.A., M.Phil., NET	Asst. Prof.	Dalit Literature in Bengal	4	NA
Ms.Yamini	M.A., M.Phil., NET	Asst. Prof.	Post colonial literature	4.5	NA
Ms.Saumya Rawat (A)	M.Phil., NET	Asst. Prof.	Non-fiction	5	NA

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handle (programme wise) by temporary faculty: 5%

13. Students- Teacher Ratio (programme wise): See table-i at page no. 243.

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NA

15. Qualification of teaching faculty with D.Sc. / D.Litt. / Ph.D. / M.Phil. / PG: Details given in point 10 above.: Ph.D.-8, M.Phil-16

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST – FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre / facility recognized by the University: Nil

19. Publications:

a) Publication per faculty: $38/21 = 1.48$

- Number of papers published in peer reviewed journals (national / international) by faculty and students: 38+ publications

- Number of publications listed in international Database (For E.g. Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Science directory, EBSCO host, etc.):

- Monographs: 4

- Chapter in Books: 6

- Books Edited: 1

- Books with ISBN/ ISSN numbers with details of publishers: 1

- Citation Index: NA
- SNIP NA
- SJR NA
- Impact factor NA
- H-index: NA

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards... Nil

22. Students projects

a) Percentage of students who have done in-house projects including inter departmental/ programme. No information available

b) Percentage of students placed for projects in organization outside the institution i.e. in Research laboratories/ Industry/ other agencies.No information available

23. Award / Recognitions received by faculty and students:Nil

24. List of eminent academicians and scientists / visitors to the department:Nil

25. Seminars / Conference / Workshops organized and the source of funding

a) National: Nil

b) International: Nil

26. Students profile programme/ course wise: See table-ii at page no. 244..

27. Diversity of Students : See table-iii at page no. 245.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil service, Defense services, etc.?

These are generally taken after post-graduation. However some of our students have entered in NET, SLET, GATE, Civil services and defences service, but as such the college doesn't keep the desired information in any formal manner.

29. Students progressionCollege doesn't keep the desired information in any formal manner.

30. Details of Infrastructural facilities

a) Library: As for others

b) Internet facilities for staff & Students: As usual

c) Class rooms with ICT facility: As for others

d) Laboratories: NA

31. Number of students receiving financial assistance from college, university, government or other agencies: See table-iv at page no. 246-248.

32. Details on Students enrichment programme (special lectures / workshops / seminar) with external experts:No information available

33. Teaching methods adopted to improve students' learning: we use straight and simple method, which can correlate students with real world, group discussion, screening of films/documentaries, theatrical presentations, student seminars.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: took part in *Swaccha Bharat Abhiyan*, involved in almost all the committees of the college from time to time. The English department has made some indispensable contribution towards the functioning of major societies in this college like Arts and culture, drama, magazine, debating, personality development programmes. These societies since their foundation have not functioned without the assistance from Department of English. Our Annual literary society festival MADRIGAL is an

excellent platform to train our students in the art of drama, music, expression, personality development, argumentation, debate and elocution, quizzing, story telling. The theme of the festival this time was children's literature. Our students interacted with children's writers like Samina Mishra and Christopher C Doyle amongst a host of other visitors who spoke on children's issues.

35. SWOC analysis of the department and Future plans:

Strength:

Among larger Departments, Highly qualified faculty, Locational advantage Maximum students passed out, Students diversity. The department of English also maintains a personal library for the use of faculty and students. This is funded exclusively by the department teachers.

Weaknesses

Space constraints, Infrastructural facilities

Opportunities, Challenges and Future Plans

To meet with rising expectations students and society. A few of the areas in which the department excels in terms of research : British fiction with special reference to modern fiction; English in the classrooms of west Bengal, the role of English in primary and secondary education; Black American Literature. African literature; Translation from Urdu and Hindi Literature; Srilankan Literature; Realism in nineteenth century and renaissance drama; English language teaching with a focus on proficiency and curriculum development. Language and pedagogy aiming to develop competence and performance; Dalit literature in Bengal; English poetry of Rabindra Nath Tagore. A stylistic study; Contemporary literature; Post colonial literature; Indian literature; Woman's writing, Feminism.

To meet with rising expectations students and society.

Department of Geography

1. **Name of the Department:** Geography
2. **Year of Establishment :** 1961
3. **Names of Programmes/ Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D. etc.):** Undergraduate
4. **Names of Interdisciplinary courses and the departments/ units involved:** Environmental Studies & English
5. **Annual/ semester/ choice based credit system programme wise):**
 - Semester System (2010-11 onwards)
 - FYUP (2013-14, the only batch)
 - CBCS (2015-16 onwards)
6. **Participation of the department in the courses offered by other departments:** B.A. (H) Economics, History, Political Science
7. **Courses in collaboration with other universities, industries, foreign institutions etc.:** None
8. **Details of courses/ programmes discontinued (if any) with reasons:** None
9. **Number of Teaching Posts**

Post	Sanctioned	Filled
Professors	None	NA
Associate Professors	None	NA
Assistant Professors	12	4 promoted to Assoc. Prof. under MPS, Asst. Prof.: 8 Permanent + 4 Adhoc

10. Faculty profile with name, qualification, designation, specialization (D.Sc. / D.Litt. / Ph.D. / M.Phil. etc.)

Name	Qualifications	Designation	Specialization	No. of year of Experience in (Yrs.)	No. of Ph.D. Students Guided for Last 4 Yrs.
Dr. P.K. Parihar	PhD	Associate Professor	Settlement Geography	40	3
Dr. Bandita Oak	PhD	Associate Professor	Agricultural Geography	46	None
Dr. V. Mathur	PhD	Associate Professor	Resource, Social Geogr., Tourism	30	1
Dr. D.B. Tewari	PhD	Assistant Professor	Social Impact Assessment	16	None
Dr. H.K. Dabar	PhD, NET	Assistant Professor	Urban Geography	14	None
Dr. A.M. Jagmohan	PhD, NET	Assistant Professor	Political and Urban Geogr.	17	None
Mr. S.Z. Alam	M.Phil., NET	Assistant Professor	Agricultural Geography	13	NA
Ms. S.Thakur	M.Phil., NET	Assistant Professor	Resource Geogr, Climate Change	8	NA
Dr. D.N. Pandey	PhD, NET	Assistant Professor	Political Geography	4	1

Dr. R.K. Abhay	PhD, NET	Assistant Professor	Natural Resource Management	4+	NIL
Dr. S. Rani	PhD, NET	Assistant Professor	Urbanisation & Development	5.9	NIL
Dr. M. Chhillar (A)	PhD	Assistant Professor	Urban Environment	6.5	NA
Dr. P.C. Mehtani (A)	PhD	Assistant Professor	Urban Geography	10	NA
Dr. I. Ahmad (A)	PhD	Assistant Professor	Regional Development and Political Geography	4+	NA
Ms. P.A. Chuimeila (A)	M.Phil.	Assistant Professor	Water Resource Management	4+	NA

11. List of senior visiting faculty: N.A

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Approximately, 25-30 % handled by temporary faculty in 2015-16).

13. Student-Teacher Ratio (programme wise): See table-i at page no. 243.

14. Number of academic support staff (technical) and administrative staff, sanctioned and filled: 1 Technical + 1 Non-Technical

NAME OF POST	SANCTIONED	EXISTING	VACANT
CargographicAssistant	1	1	0
Lab. Attendant	1	1	0

15. Qualifications of teaching faculty with D.Sc./ D. Litt./ Ph.D./ M.Phil./PG: (Refer point 10 above)

16. Number of faculty with ongoing projects from a) National, b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR etc. and total grants received: Nil

18. Research Centre/ Faculty recognised by the University: Nil

19. Publications

Name of Faculty	citations	H-index	
Dr. R.K. Abhay	4	1	ISRJ: UIF: 3.156
Mr. S.Z. Alam			SJIR: 5.099 and 4.708

Name of Faculty	No. of papers in National/ International
Dr. P.K. Parihar	1
Dr. Bandita Oak	9
Dr. D.B. Tewari	8
Dr. H.K. Dabar	2
Mr. S.Z. Alam	7
Dr. R.K. Abhay	4
Dr. S. Rani	2
Dr. P.C. Mehtani	1
Dr. I. Ahmad	1

Name of Faculty	Chapter in Books
Dr. N. Dwivedi	1
Dr. Bandita Oak	1
Dr. A.M. Jagmohan	3
Ms. Swati Thakur	1
Dr. D.N. Pandey	3
Dr. S. Rani	8
Dr. M. Chhillar	2
Dr. I. Ahmad	1

20. Areas of consultancy and income generated: One Associate Professor (Dr. V. Mathur) is an honorary consultant since 2009 in the field of Soil Rejuvenation and productivity (Income generated: Nil).

21. Faculty as members in

a) National Committees b) International Committees c) Editorial Board....

Name of Faculty	Committee/ Editorial Books
Dr. P.K. Parihar	<ul style="list-style-type: none"> One Faculty (Dr. R.K. Abhay) is on the Editorial Board of The Association for Geographical Studies, Delhi (2009-12 and 2012-15).

22. Students projects

a) Percentage of students who have done in-house projects including inter-departmental/ programme: About 33 per cent (One out of the three classes) every year one class is involved in study project of various topics outside Delhi.

b) Percentage of students placed for projects in organizations outside the institution, i.e. in Research Laboratories/ Industry/ other agencies: No information available

23. Awards/ Recognitions received by faculty and students:

Name of Faculty	Award/ Recognition
One of the Faculty member	<ul style="list-style-type: none"> Professor NP Aiyar Young Geographer Award, National Association of Geographers, India, 2014.

24. List of Eminent academicians and scientists / visitors to the department:

- Dr. R.B. Singh, HOD, Department of Geography, Delhi School of Economics, University of Delhi, 2013-14.

25. Seminars/ Conferences/ Workshops organized and the source of funding

a) National: One (Details not available)

b) International: None

26. Students profile programme/ course wise: See table-ii at page no. 244.

27. Diversity of Students : See table-iii at page no. 245.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, and Defence Services etc.:

These are generally taken after post-graduation. However some of our students have entered in NET, SLET, GATE, Civil services and defences service, but as such the college doesn't keep the desired information in any formal manner.

29. Students progression: College doesn't keep the desired information in any formal manner.

30. Details of Infrastructural facilities

a) Library:

- **Department Library:** Almost 260 books in Hindi and English.
- **College Library:** The Geography Section of the College Library is well equipped and updated with all kind of Books, Journals and Magazines.

b) Internet facilities for staff and students: It is provided at Department level and College level through Wi-Fi and LAN network.

c) Class room with ICT facility: Classrooms are equipped with LCD projector facility.

d) Laboratories: Two Geography Labs are equipped with LCD projector, Internet Connection, Geographical Maps and Models.

31. Number of Students receiving financial assistance from college, university, government or other agencies : See table-iv at page no. 246-248.

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts: Refer to Serial No. 24.

33. Teaching methods adopted to improve students learning:

a) A range of audio-video, computers are available in the department for the teachers to use.

b) Frequent field visits are undertaken to enrich the students understanding about geographical and environmental issues.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nothing specific to mention

35. SWOC Analysis of the department and future plans:

Strength

- Oldest Department
- Highly qualified faculty
- Locational advantage
- Maximum students passed out
- Students diversity
- Maximum no. of teachers with highest qualification.

Weaknesses

- Space constraints
- Infrastructural facilities
- Financial constraints at the college and students level

Opportunities

- Planning, Teaching, Environmental Issues, Travel and Tourism, Disaster Management, Surveying

Challenges and Future Plans

- To meet with rising expectations students and society.

Department of Hindi

1. **Name of the department :** Hindi
2. **Year of Establishment :** 1952
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :** Bachelor of Honors in Hindi (three years)
4. **Names of Interdisciplinary courses and the departments/units involved:** B.A Honors (History, Political Sc., Geography, English, Economics), B.A. Programme (Philosophy, Sanskrit, Urdu, Panjabi, Bengali) B.Com.(Commerce)
5. **Annual/ semester/choice based credit system (programme wise):** All courses are in semester mode.
6. **Participation of the department in the courses offered by other departments:** Participation in teaching with Department of History, Political Sc., Geography, English, Economics, Philosophy.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil
8. **Details of courses/programmes discontinued (if any) with reasons :** Nothing to mention
9. **Number of Teaching posts**

Post	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Nil
Asst. Professors	18*	1 out of 18 promoted to Associate Professor under MPS/CAS. 2 out of 18 are currently filled on Adhoc basis

***Total sanctioned posts of department of Hindi.**

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. Etc.,)**

Name	Qualification	Designation	Specialization	No. of year of experience in (yrs.)	No. of Ph.D. students guided for last four year
Dr. Samiksha Thakur	M.A. M.Phil., Ph.D. NET	Associate Professor	Criticism	23	4
Dr. Vijay Pal	M.A. M.Phil. Ph.D. NET	Asst. Professor	Hindi Drama, Dalit Sahity	14	NIL
Dr. Rajeev Kumar Kunwar	M.A. M.Phil. Ph.D. NET	Asst. Professor	Literary Theory	14	NIL
Dr. Pappu Ram Meena	M.A. M.Phil. Ph.D. SLET	Asst. Professor	Lok Sahity, Katha Sahity	10	NIL
Dr. Kedar Kumar Mandal	M.A. M.Phil. Ph.D. NET	Asst. Professor	World Hindi Diaspora	10	NIL
Dr. Prem Kumar Tiwari	M.A. M.Phil. Ph.D. NET	Asst. Professor	Aadhunik Hindi Sahity	11	NIL
Dr. Sunil Kumar Mandiwal	M.A. M.Phil. Ph.D. NET	Asst. Professor	Katha Sahity	10	NIL
Dr. Madhulika	M.A. M.Phil. Ph.D. NET	Asst. Professor	Katha Sahity	0	NIL

Dr. Rajesh Kumar Rao	M.A. M.Phil. Ph.D. NET	Asst. Professor	Katha Sahity	3	NIL
Dr. Abhay Kumar	M.A. M.Phil. Ph.D. NET	Asst. Professor	Criticism	3	NIL
Dr. Chittranjan Kumar	M.A. M.Phil. Ph.D. NET	Asst. Professor	Media	1	NIL
Dr. Jaipal Singh	M.A. M.Phil. Ph.D. NET	Asst. Professor	Aadhunik Kavita & Criticism	3	NIL
Dr. Gyanendra Kumar	M.A. M.Phil. Ph.D. NET	Asst. Professor	World Hindi Diaspora	4	NIL
Dr. Rajesh Kumar Pandey	M.A. Ph.D. NET	Asst. Professor	Hindi Patrakarita	3	NIL
Dr. Ramashnkar Kushwaha	M.A. M.Phil. Ph.D. NET	Asst. Professor	Criticism& Media	5	NIL
Dr. Jainendra Kumar (A)	M.A. M.Phil. Ph.D.	Asst. Professor	AAadhunik Sahity & Patrkarita	0	NA
Dr. Chandrakala (A)	M.A. M.Phil. Ph.D.	Asst. Professor	Drama& Media	7	NA
Dr. Menka (A)	M.A. M.Phil. Ph.D.	Asst. Professor	Madhykal	6	NA

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : 10% (Adhoc faculty)

13. Student -Teacher Ratio (programme wise): See table-i at page no. 243.

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : None

15. Qualifications of teaching faculty with DSC/ D.Litt./Ph.D./ MPhil / PG: Details given in Point 10 above.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received :

One, UGC Major Projects (Rs. 8, 21,200/-)

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : N.A.

18. Research Centre /facility recognized by the University: N.A.

19. Publications:

a) Publication per faculty: $257/18 = 14.27$

- Number of papers published in peer reviewed journals (national / international) by faculty and students:1

- Number of publications listed in International Database (For E.g.: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) :

- Monographs :

Samiksha

Alochana-51 october/Hindi Sahitya mein Lok ki Avdharna /Issn 2231-6329 Alochana
Peer reviewed journal

- Chapter in Books : 60 (summary on page no.63-72)

Name of Faculty	No. of papers in journals
Dr. Samiksha Thakur	01
Dr. Vijay Pal	03
Dr. Rajeev Kumar Kunwar	03
Dr. Pappu Ram Meena	04
Dr. Prem Kumar Tiwari	08
Dr. Sunil Kumar Mandiwal	08
Dr. Madhulika	08
Dr. Chitranjan Kumar	06
Dr. Gyanendra Kumar	04
Dr. Ramashankar Kushwaha	05
Dr. Rajesh Kumar Rao	74
Dr. Jaipal Singh	55
Dr. Abhay kumar	18
Dr. Rajesh Kumar Pandey	05
Dr. Jainendra	09
Dr. Menka Shriwastav	08
Dr. Chandrakala	38

- SNIP
- SJR
- Impact factor
- h-index :

Name of Faculty	h-index

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

Name of Faculty	Committee/ editorial Boards
Dr. Sunil Mandiwal	Apeksha patrika
Dr. Kedar Mandal	Dalit Adiwasi Samvad Patrika, New Delhi

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme No information available

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies No information available

23. Awards / Recognitions received by faculty and students : N.A.

24. List of eminent academicians and scientists / visitors to the department : Prof. Nityanand Tiwari, Dr. Vishwnath Tripathi

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National:

Name of Faculty	National
Dr. Kedar Mandal	• National Conference, UGC, 2007

b) International:

Name of Faculty	International
Dr. Kedar Mandal	• International Conference UGC&ICSSR 2012

26. Student profile programme/course wise: See table-ii at page no. 244.

27. Diversity of Students : See table-iii at page no. 245.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

These are generally taken after post-graduation. However some of our students have entered in NET, SLET, GATE, Civil services and defences service, but as such the college doesn't keep the desired information in any formal manner.

29. Student progression College doesn't keep the desired information in any formal manner.

30. Details of Infrastructural facilities

- a) Library : College
- b) Internet facilities for Staff & Students : Provided by college
- c) Class rooms with ICT facility : College provided
- d) Laboratories:

31. Number of students receiving financial assistance from college, university, government or other agencies : See table-iv at page no. 246-248.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: N.A.

33. Teaching methods adopted to improve student learning : Updated with latest available methods

34. Participation in Institutional Social Responsibility (ISR) and Extension activities : Faculties participate in various NSS and NCC activities of the institution and other responsibilities assigned time to time.

35. SWOC analysis of the department and Future plans :

Strength

- Highly qualified faculty. Many of them have done Ph.D. from reputed institutions.
- Faculties are involved in active research work and collaborative projects both nationally and internationally.
- Many research projects (funded by external funding agencies) are/were undertaken in the department

- Very supportive and cooperative non-teaching staff.
- Faculties are deeply involved in most of the institutional social responsibility programs.

Weakness

- Limited space in department.
- Limitation in funds much needed for the expansion of facilities.

Opportunities Nothing to mention

Challenges &Future plans

- To strength
- Establishment of a small computing lab in the department that could be available to students of the department throughout the day.
- To make lectures and labs more interactive by using ICT technologies.
- Strengthening Student-Faculty committee to have better feedback mechanism from students.

Department of History

- 1. Name of the department:** History
- 2. Year of Establishment:** It began along with the establishment of the college in 1952. But Honours Courses were introduced in the year 1974.
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.):** Undergraduate
- 4. Names of Interdisciplinary courses and the departments/units involved:** English, Hindi, Political Science and Economics
- 5. Annual/ semester/choice based credit system (programme wise):** Semester (2010-11) Onwards, FYUP (2013-14), CBCS (2015-16) Onwards
- 6. Participation of the department in the courses offered by other departments:** B.A.(Hons.) Political Science, B.A.(Hons.) Economics, B.A.(Hons.) Hindi and B.A.(Hons.) English
- 7. Courses in collaboration with other universities, industries, foreign institutions etc.:** None
- 8. Details of courses/programmes discontinued (if any) with reasons:** As per the DU policy.
- 9. Number of Teaching posts:**

Post	Sanctioned	Filled
Professors	--	--
Associate Professors	--	--
Assistant Professors	13	6 promoted to Assoc. Prof., 7 are Asst. Prof +4 Ad-hocs

***Professors: Cannot expect a positive answer here if you know the rules.**

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. Etc.)

Name	Qualification	Designations	Specialization	No. of Years of experience in (yrs.)	No. of Ph.D. students guided for the last 4 years
Ms. S.R. Sharma	Ph.D.	Associate professor	Ancient India	40	NIL
Mr. D. Manjit	Ph.D.	Associate professor	Modern India	25	NIL
Ms. Ajaz Shuja	Ph.D.	Associate professor	Medieval India	25	NIL
Ms. Puja Vij	M.Phil.	Asstt. professor	Medieval India	24	NA
Mr. R.K. Sinha	M.Phil.	Asstt. professor	Medieval India	26	NA
Ms. Shubhra Chakrabarti	Ph.D.	Associate professor	Modern India	26	NIL
Mr. S.K. Das	M.Phil., NET	Asstt. professor	Modern India	15	NA

Mr. Amarjeet Prasad Singh	Ph.D.	Assistant professor	Medieval India	9	NIL
Mr. Narottam Vinit	M.Phil., NET	Assistant Professor	Ancient India	6	NA
Mr. Uma Shankar Singh	Ph.D., NET	Assistant professor	Modern India	5	NIL
Ms. Apaprajita Bhattacharya	M.A., M.Phil., NET	Assistant Professor	Ancient India	4 yrs. 4 months	NA
Mr Hari Narayan Sahu	M.A., NET	Assistant professor	Ancient (Archaeology)		NA
Ms. Jaya Jyotika	M.Phil., NET	Assistant Professor	Medieval India	2 yrs. 6 months	NA
Ms. Mahashraddha Yadav (A)	Ph.D. (Pursuing)	Assistant Professor (Adhoc)	Medieval India	2	NA
Ms. Shweta Singh (A)	Ph.D., NET	Assistant Professor (Adhoc)	Modern India	2	NA
Mr. Shyam Sundar Meena (A)	Ph.D.	Assistant Professor (Adhoc)	Ancient India	9	NA
Mr. Dinesh Kumar (A)	M.A.	Assistant Professor (Adhoc)	Medieval India	5	NA

11. **List of senior visiting faculty:** None
12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** 30%
13. **Student -Teacher Ratio (programme wise):** See table-i at page no. 243.
14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled:** None
15. **Qualifications of teaching faculty with DSC/ D.Litt./Ph.D./ MPhil / PG:** Details given in Point 10 above.
16. **Number of faculty with ongoing projects from a) National b) International funding Agencies and grants received:** None on date
17. **Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total Grants received:** Nil
18. **Research Centre /facility recognized by the University:** None
19. **Publications:**
 - a) Publication per faculty: $103/13=7.923$
 - Number of papers published in peer reviewed journals (national / international) by faculty and students: NA
 - Monographs: As below
 - Chapter in Books: As below

- Books Edited: As below
- Books with ISBN/ISSN numbers with details of publishers:As below

Name	No. of paper published	Monographs	Chapter in books	Books with ISBN/ISSN
Ms. S.R. Sharma	9	3	1	13
Mr. D. Manjit	Nil	Nil	4	4
Ms. Ajaz Shuja	4			4
Ms. Shubhra Chakrabarti	6	1	5	12
Mr. Amarjeet P. Singh	25	Nil	Nil	Nil
Mr. Narottam Vinit	2	Nil	3	5
Mr. Uma Shankar Singh	7	Nil		7
Ms. A. Bhattacharya	5	Nil	Nil	5
Mr. Hari Narayan Sahu	4	Nil	1	5
Ms. Jaya Jyotika	3	Nil		2
Ms. Mahashraddha Yadav	4	Nil	1	4
Ms. Shweta Singh	5	Nil	Nil	Nil
Mr. S. S. Meena	7	1	2	12

20. Areas of consultancy and income generated: None

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards.... Nil

22. Student projects:

a) Percentage of students who have done in-house projects including inter departmental/programme.No information available

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies.No information available

23. Awards / Recognitions received by faculty and students:None

24. List of eminent academicians and scientists / visitors to the department:None

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National Nil

b) International Nil

26. Student profile programme/course wise: See table-ii at page no. 244.

27. Diversity of Students: Students: See table-iii at page no. 245.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? No idea. These are generally taken after post-graduation. However some of our students have entered in NET, SLET, GATE, Civil services and defences service, but as such the college doesn't keep the desired information in any formal manner.

29. Student progression College doesn't keep the desired information in any formal manner.

30. Details of Infrastructural facilities

- a) Library As usual
- b) Internet facilities for Staff & Students As usual
- c) Class rooms with ICT facility As usual
- d) Laboratories NA

31. Number of students receiving financial assistance from college, university, government or other agencies: See table-iv at page no. 246-248.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: None

33. Teaching methods adopted to improve student learning: As usual

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: As usual

35. SWOC analysis of the department and Future plans

Strength

Among larger Departments, Highly qualified faculty, Locational advantage
Maximum students passed out, Students diversity.

Weaknesses

Space constraints, Infrastructural facilities

Opportunities, Challenges and Future Plans

To meet with rising expectations students and society.

Department of Mathematics

1. **Name of the department :** Mathematics
2. **Year of Establishment :** 1959
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :** B. Sc. (Hons.) in Mathematics (for last 50 years) M. Sc. in Mathematics (for last 40 years)
4. **Names of Interdisciplinary courses and the departments/units involved:**
 - B. Comm. (Hons.) With Department of Commerce
 - B.A. (Hons.) Economics with Department of Economics
 - B.A. (Program) with Departments in Humanities
 - B.Sc. (Hons.) Chemistry with Department of Chemistry
 - B.Sc. (Hons.) Physics with Department of Physics
 - B.Sc. Applied Physical Sciences (Computer Science) with Department of Physics and Department of Computer Sciences
 - B.Sc. Physical Sciences with Department of Chemistry and Department of Physics
5. **Annual/ semester/choice based credit system (programme wise):** All courses in semester mode
6. **Participation of the department in the courses offered by other departments:** Departments of Commerce, Computer Science, Chemistry, Physics and Humanities.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of courses/programmes discontinued (if any) with reasons:** Nil
 - B.Sc. (General group A) changed to B.Sc. (Programme).
 - B.Sc. (Hons.) Mathematics Four Year under Graduate Programme rolled back by university without citing any reason.
9. **Number of teaching posts**

Post	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Nil
Asst. Professors	20	6 Permanent (5 Promoted to Associate Professor under CAS or MPS); 14 filled on either Ad-hoc basis or guest.

10. **Faculty profile with name, qualification, designation, specialization (D.Sc. / D.Litt. / Ph.D. / M. Phil. Etc.,)**

Name	Qualification	Designation	Specialization	No. of Years of experience (years)	No. of Ph.D. students guided for the last 4 years
Ms. Rajni Kulshrestha	M.Phil.	Associate Professor	Numerical Analysis	27	NA
Ms. Iswar Rani Manchanda	M.Phil.	Associate Professor	Analysis	27	NA
Dr. Arun Pal Singh	Ph.D., NET	Associate Professor	Analysis	18	NIL
Mr. Rajeev Kumar	M.Phil., NET	Assistant Professor	Cryptography	10	NA

Dr. P. K. Pandey	Ph.D., NET	Associate Professor	Numerical Analysis	19	NIL
Dr. Dinesh Kumar	Ph.D., NET	Associate Professor	Numerical Analysis	18	NIL
Mr. Manoj Rana (A)	M.Phil.	Assistant Professor	Applied Mathematics	10	NA
Dr. Amit Kumar (A)	Ph.D.	Assistant Professor	Operations Research	8	NA
Dr. Purnima Dixit (A)	Ph.D.	Assistant Professor	Algebra	15	NA
Ms. Ritu Rawat (A)	M.Sc.	Assistant Professor	Applied Mathematics	3.75	NA
Mr. Arvind Kumar (A)	M. Tech.	Assistant Professor	Optimization	2	NA
Ms. Parvinder Kaur (A)	M.Phil.	Assistant Professor	Complex Analysis & Algebra	4	NA
Mohammed Tarique (A)	M. Tech.	Assistant Professor	Discrete Mathematics	4	NA
Mr. Ram Baksh (A)	M. Tech.	Assistant Professor	Applied Mathematics	2.5	NA
Dr. Sushil Kumar Yadav (A)	Ph.D.	Assistant Professor	Operations Research	2	NA
Mr. Jai Kishore (A)	M.Phil.	Assistant Professor	Abstract Algebra	2	NA

11. List of senior visiting faculty: Dr. Ranjit Singh & Dr. A.M. Malhotra.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 70 % (Approx.) including all the programmes with which the Deptt. of Mathematics is associated.

13. Student -Teacher Ratio (programme wise): See table-i at page no. 243.

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : NIL

15. Qualifications of teaching faculty with DSC/ D.Litt. / Ph.D. / MPhil / PG: Details given in Point 10 above. Ph.D. - 06; M. Phil. – 06; M. Tech. – 03; M.Sc. – 01.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : 02

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications: 33 + 33 + 9 = 75

a) Publication per faculty: 3.75

- Number of papers published in peer reviewed journals (national / international) by faculty and students: 66 + 6

- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): Nil
- Monographs: Nil
- Chapter in Books:
- Books Edited: Nil
- Books with ISBN/ISSN numbers with details of publishers: Nil
- Citation Index
- SNIP
- SJR
- Impact factor
- h-index:

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....Nil.

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme No information available

b) Percentage of students placed for projects in organizations outside the institution *i.e.*, in Research laboratories/Industry/ other agencies *No information available*

23. Awards / Recognitions received by faculty and students:

(1) Received SERC Fast Track Fellowship under Young Scientists Scheme from DST during the period July, 2005 – 2008.

(2) Teaching Excellence award for Innovation (AY: 2014-2015), conferred upon by the University of Delhi.

24. List of eminent academicians and scientists / visitors to the department: Prof. Dinesh Singh (Former Vice-Chancellor, DU), Prof. Ajay Kumar (Former Head, Mathematics Department, DU), Prof. B.K. Das (Former Head, Mathematics Department, DU), Prof. Hukam Singh (Former Head, DESM, NCERT, New Delhi)

25. Seminars/ Conferences/Workshops organized & the source of funding:

a) National : Nil

b) International : Nil

26. Student profile programme/course wise: See table-ii at page no. 244.

27. Diversity of Students See table-iii at page no. 245.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

These are generally taken after post-graduation. However some of our students have entered in NET, SLET, GATE, Civil services and defences service, but as such the college doesn't keep the desired information in any formal manner.

29. Student progression College doesn't keep the desired information in any formal manner.

30. Details of Infrastructural facilities

a) Library As usual

b) Internet facilities for Staff & Students As usual

c) Class rooms with ICT facility As usual

d) Laboratories We do have, but not a dedicated one

31. Number of students receiving financial assistance from college, university, government or other agencies : See table-iv at page no. 246-248.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts :None

33. Teaching methods adopted to improve student learning :Lectures, Projector, Tutorials, Assignments, Class Tests, and Computer Lab Work

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:Almost in all the activities as & when desired.

35. SWOC analysis of the department and Future plans -

Strength

Among larger Departments, Highly qualified faculty, Locational advantage
Maximum students passed out, Students diversity. Strong faculty base in the field of
Numerical Analysis; Analysis; Cryptography; Applied Mathematics; Operations
Research; Algebra; Optimization; Complex Analysis; Discrete Mathematics

Weakness

Number of permanent faculty members less as compared to sanctioned posts. Space constraints, Infrastructural facilities

Opportunities, Challenges and Future Plans

To meet with rising expectations students and society.

Department of Philosophy

1. **Name of the department:** Philosophy
2. **Year of Establishment:** 1959
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** B.A. (Program)
4. **Names of Interdisciplinary courses and the departments/units involved:** B. Com (H), BA (H) Hindi, English, Economics, Political Science, History, and B. Sc. (H) Mathematics.

5. **Annual/ semester/choice based credit system (programme wise):** All Courses are in Semester Mode.
6. **Participation of the department in the courses offered by other departments:** Participation in Teaching with department of Commerce, Hindi, English, Economics, Political Science, History & Mathematics.

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of courses/programmes discontinued (if any) with reasons:** None
9. **Number of Teaching posts**

Posts	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Nil
Asst. Professors	2	One Promoted to Associate Professor Under MPS/CAS, 2 Currently Filled on Ad-hoc Basis

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. /M. Phil. Etc.,)**

Name	Qualification	Designation	Specialization	No. of Years of experience in (yrs.)	No. of Ph.D. students guided for the last 4 years
Dr. Seema Bose	MA, M. Phil. Ph. D	Associate Prof.	Existentialism	24	Nil
Dr. Deep K. Trivedi (A)	Ph. D.	Assistant Prof	Trik Darshan	2	NA
Ms. Preeti Rani (A)	M.Phil.	Asst. Prof.	Indian & Jain Philosophy	2	NA

11. **List of senior visiting faculty:** N.A.
12. **Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:** 70% (Ad-hoc Faculty).

- 13. Student -Teacher Ratio (programme wise):** See table-i at page no. 243.
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.

15. Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil / PG: Details given in Point 10 above.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: None

18. Research Centre /facility recognized by the University: None

19. Publications:

a) Publication per faculty: 12/2=6

- Number of papers published in peer reviewed journals (national / international) by faculty and students: 8
- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : NA
- Monographs: Nil
- Chapter in Books : Nil
- Books Edited Nil
- Books with ISBN/ISSN numbers with details of publishers: 2

Seema Bose: To Tolerate or Not to Tolerate: That is the Question, A Study of Some Modern Indian Thinkers. ISBN 978-93-82337-21-8 **Publisher:** Promilla & Company, Publishers in Association with Bibliophile South Asia, New Delhi & Chicago, 2015

Deep Kumar Trivedi: Darshan Shastra, Published by Cosmos Books, Haryana

- Citation Index

Name of Faculty	No. of papers in journals	Citations
Dr. Seema Bose	3+2 (Conference Proceedings)	NA
Dr. Deep Kumar Trivedi	5	NA

- SNIP NA
- SJR NA
- Impact factor NA
- h-index : NA

20. Areas of consultancy and income generated: Nil

21. Faculty as members in:

a) National committees b) International Committees c) Editorial Boards Nil

22. Student projects:

a) Percentage of students who have done in-house projects including inter departmental/programme No information available

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies No information available

Name of Faculty	Award/ Recognition
Dr. Seema Bose	Visiting Scholar at McGill University, Canada & the Catholic University of America, USA, Visiting Faculty at Utah Valley State College, USA. Presented Papers In International Conferences in Italy, Poland & Romania. Also delivered a special lecture in Romania.
Dr. Deep K. Trivedi	Junior Research Fellowship

23. Awards / Recognitions received by faculty and students: N.A.

24. List of eminent academicians and scientists / visitors to the department:None

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) National: Nil
- b) International: Nil

26. Student profile programme/course wise: See table-ii at page no. 244.

27. Diversity of Students : See table-iii at page no. 245.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? N.A.

29. Student progression College doesn't keep the desired information in any formal manner.

30. Details of Infrastructural facilities

- a) Library As available for others
- b) Internet facilities for Staff & Students As available for others
- c) Class rooms with ICT facility As available for others
- d) Laboratories NA

31. Number of students receiving financial assistance from college, university, government or other agencies: See table-iv at page no. 246-248.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: Nil

33. Teaching methods adopted to improve student learning:

- Lectures, Tutorials, Discussions.
- Involvement of Students in Philosophy Society and other organizational activities.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Name of Faculty	ISR & Extension Activities
Dr. Seema Bose	<ul style="list-style-type: none">• Member of the organizing Committee for the workshop on women empowerment sponsored by UGC.

35. SWOC analysis of the department and Future plans:

Strength:

Well qualified Faculty, Involved in active research work and other academic activities as well.

Weakness:

Limitation of funds in organizing national and international conferences.

Opportunity, Challenges &Future Plans:

To start BA (Hons.) in Philosophy in College. To meet with rising expectations students and society.

Department of Physical Education

1. **Name of the Department:** Physical Education
2. **Year of Establishment:** 1959
3. **Names of Programmes/Courses offered:** None
4. **Names of Interdisciplinary courses and the departments/units involved:** NA
5. **Annual/semester/choice based credit system (programme wise):** NA
6. **Participation of the department in the courses offered by other departments:**
Almost all the departments in the college
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** None
8. **Details of courses/programmes discontinued (if any) with reasons:** Nil
9. **Number of Teaching posts**

Posts	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	1	1 Associate Prof. under CAS

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. Etc.,)**

Name	Qualification	Designation	Specialization	No. of Years of experience in (yrs.)	No. of Ph.D. students guided
Mr. Sandeep Mehta	B.P.Ed., M.P.Ed, NET	Associate Professor	Cricket	19	NA

11. **List of senior visiting faculty:** None
12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** Nil
13. **Student -Teacher Ratio (programme wise):** See table-i at page no. 243.
14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled :** 1
15. **Qualifications of teaching faculty with DSc/D.Litt./Ph.D./M.Phil. / PG:** Details given in Point 10 above.
16. **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received :** NA
17. **Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received :** NA
18. **Research Centre /facility recognized by the University :** NA
19. **Publications :** Nil

a) Publication per faculty: Nil

- Number of papers published in peer reviewed journals (national / international) by faculty and students:

- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): NA
- Monographs - Nil
- Chapter in Books - Nil
- Books Edited - Nil
- Books with ISBN/ISSN numbers with details of publishers - Nil
- Citation Index - Nil

20. Areas of consultancy and income generated: None

21. Faculty as members in:

a) National committees b) International Committees c) Editorial Boards Yes

1. Secretary, Delhi Athletics Association (2015-19);

2. Chief PRO, Indian Olympic Association

22. Student projects :

a. Percentage of students who have done in-house projects including inter departmental/programme : NA

b. Percentage of students placed for projects in organizations outside the institution *i.e.*, in Research laboratories/Industry/ other agencies : NA

23. Awards / Recognitions received by faculty and students: Field of specialisation Cricket, Attended olympics, commonwealth, SAIF, Asian games as press attachee,

24. List of eminent academicians and scientists / visitors to the department : Well trained/qualified 08 coaches offering their services in the field of Cricket, football, volleyball, kabaddi, Athletics, Boxing & Archery.

25. Seminars/ Conferences/Workshops organized & the source of funding

a) **National :** None

b) **International :** None

26. Student profile programme/course wise: See table-ii at page no. 244 (In totality students join to sports from all courses to play in all 13 games (cricket, football, volleyball, athletics, boxing, basket ball, kabaddi, archery, shooting, chess, swimming, table tennis, judo).

27. Diversity of Students. See table-iii at page no. 245.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? No information available

29. Student progression College doesn't keep the desired information in any formal manner.

30. Details of Infrastructural facilities

- a) **Library** : NA
- b) **Internet facilities for Staff & Students** : NA
- c) **Class rooms with ICT facility** : NA
- d) **Laboratories** : NA
- e) **Play ground and Sports items** are made easily accessible to the students.

31. Number of students receiving financial assistance from college, university, government or other agencies: See table-iv at page no. 246-248.

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts: N.A. But trained external coaches visit regularly to guide and motivate the young students.

33. Teaching methods adopted to improve student learning: Coaches are arranged to guide the students for different sports viz., Cricket, Archery, Basketball, Volleyball, Boxing, football etc.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Involved in various committees of the Staff Council for this purpose.

35. SWOC analysis of the department and Future plans:
Strength :

Highly qualified faculty & trained coaches for various sports. College Boxing team is champion in intercollege competitions. Teams of Basketball, Archery and football performed well at various levels. Paralympics medals in many categories. equal opportunity to all the students for availing sports facility.

Weakness:

Single post of Director Physical Education to cater the needs for such a big college.

Opportunity, Challenges & Future plans:

Attracting more and more students towards healthy life through sports & yoga for better fitness, Planning for indoor gymnasium, cycle track, hard court for tennis in near future. To meet with rising expectations students and society.

Department of Physics

1. **Name of the department :** Physics
2. **Year of Establishment :** 1959
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :** Bachelor of Honors in Physics (three years)
4. **Names of Interdisciplinary courses and the departments/units involved:** B. Sc. Physical Sciences with Department of Chemistry and Department of Mathematics. B.Sc. Physical Science-Computer Sciences with Department of Mathematics and Department of Computer Sciences.
5. **Annual/ semester/choice based credit system (programme wise):** Sem. mode, CBCS.
6. **Participation of the department in the courses offered by other departments:** Participation in teaching with Department of Chemistry, Mathematics and Computer Science.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil
8. **Details of courses/programmes discontinued (if any) with reasons :**
 B.Sc. (General, Group – A): DU changed this course to B.Sc. Programme,
 B.Sc. (H) Physics FYUP: DU rolled back FYUP

9. Number of Teaching posts

Post	Sanctioned	Filled
Professors	Nil	Nil
Associate Professors	Nil	Nil
Asst. Professors	23*	5 of out 23 are promoted to Associate Professor under MPS/CAS. Rest are currently filled on Adhoc basis

*Total sanctioned posts of department of physics.

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. Etc.,)

Name	Qualification	Designation	Specialization	No. of year of experience in (yrs.)	No. of Ph.D. students guided for last four year
Dr. B. Biswas	M.Sc., Ph.D.	Associate Professor	Condensed matter	32	NIL
Dr. Renu Guliani	M.Sc., M.Phil., Ph.D.	Associate Professor	Electronics	32	NIL
Dr. Vinod Kumar Paliwal	M.Sc., Ph.D., NET	Associate Professor	Electronics, Material Science	19	NIL
Dr. Naveena Mehan	M.Sc., Ph.D. NET	Associate Professor	Solid State, Opto-electronics	19	NIL

Dr. Naveen Gaur	M.Sc., Ph.D. NET	Associate Professor	Theoretical Particle Physics	19	NIL
Dr. Indra Sen Ram	M.Sc., Ph.D. NET	Asst. Professor	Expt. Cond. matter	10	NIL
Dr. Jagjiwan Ram	M.Sc., Ph.D. NET	Asst. Professor	Material Science	10	NIL
Dr. Sadhna Shrivastava	M.Sc., Ph.D. NET	Asst. Professor	Material Science	19	NIL
Dr. K.K.Verma (A)	M.Sc., Ph.D.	Asst. Professor	Micro strip Antenna	13	NIL
Dr. Rajni Jain (A)	M.Sc., Ph.D.	Asst. Professor	Material Sc., Electronics	9	NIL
Dr. Ranjit Kumar (A)	M.Sc., Ph.D.	Asst. Professor	Non-linear dynamics	5	NIL
Dr. Varun Malik (A)	M.Sc., Ph.D.	Asst. Professor	Atmospheric Science	5	NIL
Dr. Arpita Vajpayee (A)	M.Sc., Ph.D.	Asst. Professor	Condensed matter, super- conductivity	4	NIL
Dr. Shibu Saha (A)	M.Sc., Ph.D.	Asst. Professor	Material Sc., Electronics	3	NIL
Dr. Md. Shamim (A)	M.Sc., Ph.D.	Asst. Professor	Condensed matter	2	NIL
Ms. S. Trama (A)	M.Sc.	Asst. Professor	Electronics	4	NA
Mr. Abid Rather (A)	M.Sc.	Asst. Professor	Astrophysics	3	NA
Mr. B. Singh (A)	M.Sc.	Asst. Professor	Electronics	4	NA
Mr.Y.K. Meena (A)	M.Sc.	Asst. Professor	Plasma Physics	3	NA
Mr. R. Kumar (A)	M.Sc., M.Phil.	Asst. Professor	Instrumentation	11	NA
M. A. Singh (A)	M.Sc.	Asst. Professor	Electronics	4	NA
Mr. L. Kennedy Meitie (A)	M.Sc.	Asst. Professor	Electronics	3	NA
Mr. N. Kumar (A)	M.Sc.	Asst. Professor	Condensed matter physics	3	NA

11. List of senior visiting faculty : N.A

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : 65% (Adhoc faculty)

13. Student -Teacher Ratio (programme wise): See table-i at page no. 243.

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

NAME OF POST	SANCTIONED	EXISTING	VACANT
Tech. Assistant	1	1	0
Mechanic	1	1	0
Lab. Assistant	11	7	4
Lab. Attendant	9	5	4

15. Qualifications of teaching faculty with DSC/ D.Litt./Ph.D./ MPhil / PG: Details given in Point 10 above.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received :

Two, UGC projects (Rs. 9, 19,500, Rs. 5, 19,000); Three, Innovation projects from Delhi University (Rs. 5,50,000, Rs. 5,00,000, Rs.5,00,000); One, Indo-French project (Euro 1,20,000 equivalent to Rs. 90,00,000/-)

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : One DST project (Rs. 19,90,000)

18. Research Centre /facility recognized by the University: Theoretical High Energy Physics facility.

19. Publications:

a) Publication per faculty: $205/22 = 9.31$

- Number of papers published in peer reviewed journals (national / international) by faculty and students: 205
- Number of publications listed in International Database (For E.g.: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : N.A.
- Monographs : None
- Chapter in Books : None
- Books Edited : None
- Books with ISBN/ISSN numbers with details of publishers : None
- Citation Index

Name of Faculty	No. of papers in journals	Citations
Dr. B. Biswas	14	N.A.
Dr. Renu Guliani	04	N.A.
Dr. Navina Mehan	07	84
Dr. Vinod K. Paliwal	16	N.A.
Dr. Naveen Gaur	39	1234
Dr. Indra Sen Ram	06	15
Dr. Jagjiwan Ram	05	N.A.
Dr. Sadhna Shrivastava	15	N.A.
Dr. Shibu Saha	17	364
Dr. Ranjit Kumar	08	55
Dr. K. K. Verma	05	N.A.
Dr. Rajni Jain	05	N.A.
Dr. Arpita Vajpayee	31	N.A.
Dr. Varun Malik	03	N.A.
Dr. Md. Shamim	05	N.A.

• h-index :

Name of Faculty	h-index
Dr. Vinod K. Paliwal	8
Dr. Navina Mehan	4

Dr. Naveen Gaur	18
Dr. Indra Sen Ram	2
Dr. Ranjit Kumar	05
Dr. Shibu Saha	7
Dr. Arpita Vajpayee	15

20. Areas of consultancy and income generated : None

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

Name of Faculty	Committee/ editorial Boards
Dr. Naveen Gaur	<ul style="list-style-type: none"> • Member editorial board, ISRN High energy Physics, • International Linear Collider (ILC) collaboration, • Referee for: Physical Review D, Physics Letter B, European Journal of High Energy Physics C, Pramana.

22. Student projects

a. Percentage of students who have done in-house projects including inter departmental/programme No information available

b. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies No information available

23. Awards / Recognitions received by faculty and students :

Name of Faculty	Award/Recognition
Dr. B. Biswas	<ul style="list-style-type: none"> • Commonwealth Post-Doctoral fellowship awarded by Govt of UK at Cavendish Laboratory, Cambridge University, UK. • Life member of Oxford Cambridge Society of India. • Life member of Museum Association of India. • CSIR pool officer at Dept. of Physics & Astrophysics, DU, 86-87. • Excellent teachers award, Lions Club (Vasundhara Enclave) 1994-95
Dr. Vinod K. Paliwal	<ul style="list-style-type: none"> • Fulbright-Nehru Senior Research Fellow, USA (2010-11) • Best Ph.D. Thesis Award (G. C. Jain Memorial Prize-2004) • Life member Indian Physics Association (IPA)
Ms. Seema Trama	<ul style="list-style-type: none"> • Distinguished teachers award by Delhi University (2014).
Dr. Arpita Vajpayee	<ul style="list-style-type: none"> • Best presentation award in National Conference on emerging Technologies: Nanotechnology and Cryogenics, 2009. • I in oral presentation, National Symposium on Material Sci., 08.
Dr. Naveen Gaur	<ul style="list-style-type: none"> • JSPS fellow, KEK Tsukuba, Japan (2006-2008). • Best student award, Asian School on Particles, Strings and Cosmology, Nasu, Japan (2006) • Qualified Japanese Language Profi.Test (JLPT) Level – 4 (2008). • Awarded “Fast track proposal for Young scientists” by Department of Science & Technology (DST) • Visiting Associate, Inter University Center for Astronomy and Astrophysics (IUCAA), Pune, India (2006-2008). • Associate Collaborator, Regional Center for Accelerator Based Particle Physics (RECAPP), Harish Chandra Research Institute (HRI), Allahabad, India (DAE institute) (2010-13).

24. List of eminent academicians and scientists / visitors to the department :

Prof. A. R. Verma (former Director, NPL), Prof. V. K. Tripathi (IIT-Delhi), Prof. A. K. Ghatak (IIT-Delhi), Prof. N. Panchapakesan (DU), Prof. Deepak Kumar (JNU), Prof. S.P. Tewari (DU), Prof. K. K. Dutta (DU), Prof. Shobhit Mahajan (DU), Prof. T. R. Seshadri (DU), Prof. Debajyoti Choudhury (DU), Prof. Avinash Khare (DU), Prof. Annapoorni (DU), Prof. K. Sreenivas (DU), Prof. Abhai Mansingh (DU), Prof. K. Thayagarajan (IIT-Delhi), Prof. Vinay Gupta (DU), Prof. Anurag Sharma (IIT-Delhi), Prof. M. R. Shenoy (IIT-Delhi), Prof. Anirban Pathak (Jaypee Institute of Information Technology, U.P.), Padma Vibhushan Prof. V. P. Sharma (National Academy of Sciences), Prof. Shivprasad (JNCSR, IISc, Bangalore), Prof. Pankaj Sharan (Jamia Millia Islamia), Prof. M. Sami (Director, Center for Theoretical Physics, Jamia Millia Islamia), Prof. Satyaki Bhattacharya (Saha Institute of Nuclear Physics, Kolkata), Prof. Patrick Dasgupta (DU), Prof. A. G. Vedeshwar (DU), Prof. S. T. Laxmikumar (NPL, Delhi), Prof. P. K. Kulariya (IUAC, Delhi), Prof. D. K. Awasthi (IUAC, Delhi), Prof. Subhasis Ghosh (JNU, Delhi).

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National:

Name of Faculty	National
Dr. Navina Mehan	<ul style="list-style-type: none"> • CSIR sponsored “National Conference on Photonics” (2009) • National Academy of Science (NAS) sponsored “Workshop on photonics and other areas of physics” • Project “Ark” on Application of Solar Energy (2014 - on going), funded by INSA, Delhi Chapter

b) International:

Name of Faculty	International
Dr. B. Biswas	<ul style="list-style-type: none"> • Summer School organized by ICTP (UNESCO) at Kathmandu, 1991.
Dr. Naveen Gaur	<ul style="list-style-type: none"> • Conference-cum-workshop on High Energy Physics Phenomenology” at SGTB Khalsa College. Funded by UGC, DST, 1996 • KEK Phenomenology meeting (KEK-PH 07), Tsukuba, Japan, funded by KEK, Japan, 2007 • Coordinator, Flavour Physics working group of Workshop on High Energy Physics Phenomenology (WHEPP), Puri, India. Sponsored by DAE (Department of Atomic Energy), 2013

26. Student profile programme/course wise: See table-ii at page no. 244.

27. Diversity of Students : See table-iii at page no. 245.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

These are generally taken after post-graduation. However some of our students have entered in NET, SLET, GATE, Civil services and defences service, but as such the college doesn't keep the desired information in any formal manner.

29. Student progression College doesn't keep the desired information in any formal manner.

30. Details of Infrastructural facilities

- b) Library : College library, as available for the others
- c) Internet facilities for Staff & Students : As provided by college
- d) Class rooms with ICT facility : As provided by college
- e) Laboratories: We currently have five physics labs (Honors lab, Senior Lab, Junior Lab – I, Junior Lab – II, 1002L). One of the lab (Junior Lab – II) is a dedicated computer lab with ICT facilities.

31. Number of students receiving financial assistance from college, university, government or other agencies: See table-iv at page no. 246-248.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: Every year under Physics society of the college we invite experts to deliver special lectures on various aspects of physics including research areas for the students.

33. Teaching methods adopted to improve student learning :

- Usage of ICT for lectures and practical's.
- Involvement of students in physics society and other organizational activities.
- Student Faculty Committee (SFC) for assessing the feedback from students is constituted.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities :

Name of Faculty	ISR & Extension activities
Dr. Renu Guliani, Dr. Vinod K. Paliwal	• Faculties participate in various NSS and NCC activities of the institution.
Dr. Navina Mehan, Dr. Vinod K. Paliwal, Dr. Sadhna Shrivastava, Ms. Seema Trama, Dr. Shibu Saha	• Involvement in Prime Minister's "Swacch Bharat Abiyaan"
Dr. Navina Mehan	• Organization and promotion of classical music including involvement and organization of SPIC-MACAY programs. • Involvement in tree plantation drive in collaboration with World Wildlife Federation (WWF).
Dr. Vinod K. Paliwal	• Nodal Officer-Anti Tobacco/Gutka, Anti-Smoking campaign in college • NSS Program Officer (2014-15, 2015-16) • Organization of blood donation camps with assistance from Red Cross India

35. SWOC analysis of the department and Future plans :

Strength

- Highly qualified faculty. Many of them have done Ph.D. from reputed institutions.
- Faculties are involved in active research work and collaborative projects both

nationally and internationally.

- Many research projects (funded by external funding agencies) are/were undertaken in the department
- Very supportive and cooperative non-teaching staff.
- Faculties are deeply involved in most of the institutional social responsibility programs.

Weakness

- Limited space in department.
- Limitations in labs for students.
- Limitation in funds much needed for the expansion of facilities.

Opportunity, Challenges & Future plans

- Lab expansion (both space wise and infrastructure wise) to Match with student strength
- Establishment of a small computing lab in the department that could be available to students of the department throughout the day.
- To make lectures and labs more interactive by using ICT technologies.
- Strengthening Student-Faculty committee to have better feedback mechanism from students.

Department of Political Science

1. **Name of the department:** Political Science
2. **Year of Establishment:** 1959
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** B.A (H), B.A (Prog)
4. **Names of Interdisciplinary courses and the departments/units involved:** Generic/Elective, B.A(H)Hindi/English/Economics/Geography/History/Commerce; B.A (Prog)
5. **Annual/ semester/choice based credit system (programme wise):** Semester in all years and CBCS in First Semester.
6. **Participation of the department in the courses offered by other departments:** B.A.(Hons) History, BA(Hons.) English
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of courses/programmes discontinued (if any) with reasons:** None
9. **Number of Teaching posts**

Posts	Sanctioned	Filled
Professors	NA	NA
Associate Professors	NA	NA
Asst. Professors	18	2 promoted to Assoc. Prof. under MPS and the rest 16 are Asst. Professors

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. Etc.,)**

Name	Qualification	Designation	Specialization	No. of Years of experience in (yrs.)	No. of Ph.D. students guided for the last 4 years
Ms. Vandana Mishra	M.A., M.Phil.	Associate Professor	Public Administration, Public Policy & Int.Relations	28	NA
Dr. Raj Kumar	M.A., Ph.D. NET	Associate Professor	Indian Govt. & Politics, Social movement in India	19	Supervising 2 students
Dr. Nikhil Jain	M.Phil., Ph.D. NET	Assistant Professor	Colonialism and Nationalism in India	14	Nil
Dr. Vijay KumarVerma	M.Phil., Ph.D. NET	Assistant Professor	International Relation	12	Nil
Dr. Sudhir Singh	M.Phil., Ph.D. NET	Assistant Professor	International Politics	11	Nil
Dr. Sujit Thakur	M.Phil., Ph.D. NET	Assistant Professor	Int Relations, Indian Politics & Foreign Policy	6	Nil
Dr. Karunakar Patra	M.Phil., Ph.D. NET	Assistant Professor	Political Theory and Philosophy	11	Nil
Dr. Kamal Nayan Choubey	M.Phil., Ph.D. NET	Assistant Professor	Political Theory, Western Thought, Politics of Indigenous	6	1
Dr. Bilas Ranjan Das	M.Phil., Ph.D.	Assistant Professor (Ad hoc)	Political theory & Thought	10	Nil

Mr. Nishant Kumar	M.Phil., NET	Assistant Professor	Indian Political thought, Western political thought	6	NA
Dr. Manoj Kumar	M.Phil., Ph.D.	Assistant Professor	African Studies	8	NIL
Dr. Pravesh Kumar	M.Phil., Ph.D. NET	Assistant Professor	India politics, Indian Political Thought	6.5	Nil
Mr. Sunil Sharma	M.Phil., NET	Assistant Professor	Political Theory & Public Administration	8	NA
Mr. Vivek Ratna	M.Phil., NET	Assistant Professor	Indian Politics and Political Theory	3	NA
Dr. Deepaklal Kujur	M.Phil., Ph.D.	Assistant Professor	Foreign Policy, International Relation	4	Nil
Mr. Prakash Kumar Patel	M.Phil., NET	Assistant Professor	Indian Politics and Political Thought	2	NA

11. List of senior visiting faculty: N.A

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: 15% (ad hoc faculty)

13. Student -Teacher Ratio (programme wise): See table-i at page no. 243.

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NA

15. Qualifications of teaching faculty with DSC/ D.Litt. / Ph.D. / MPhil / PG: Details given in Point 10 above.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Dr. Sudhir Singh and Nikhi Jain.

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications:

a) Publication per faculty: $58/16= 3.625$

Number of papers published in peer reviewed journals (national / international) by faculty and students: 58+

- Number of publications listed in International Database (For E.g.: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : 58

- Monographs : None

- Chapter in Books

Name of Faculty	Chapters in Books
Mr. Nishant Kumar	Nil
Dr. Prakash Kumar Patel	6
Dr. Sudhir Singh	11

- Books Edited : 8

- Books with ISBN/ISSN numbers with details of publishers : 5
- Citation Index

Name of Faculty	No. of papers in journals	Citations
Mr. Nishant Kumar	03	N.A.
Dr. Prakash Kumar Patel	00	N.A.
Dr. Sudhir Singh	55	N.A.

- SNIP Nil
- SJR Nil
- Impact factor Nil
- h-index :

20. Areas of consultancy and income generated: None

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards Nil.

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme No information available
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies No information available.

23. Awards / Recognitions received by faculty and students:None

24. List of eminent academicians and scientists / visitors to the department: Prof Achin Vanik, Prof. Ujjwal Kumar Singh; Prof. Nivedita Menon; Prof. Gopal Guru; Dr. Hilal Ahmed; Prof. Subrat Mukherjee; Dr. Inrajeet Kaur.

25. Seminars/ Conferences/Workshops organized & the source offunding

- a) **National** None
- b) **International** None

26. Student profile programme/course wise: See table-ii at page no. 244.

27. Diversity of Students : See table-iii at page no. 245.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

These are generally taken after post-graduation. However some of our students have entered in NET, SLET, GATE, Civil services and defences service, but as such the college doesn't keep the desired information in any formal manner.

29. Student progression College doesn't keep the desired information in any formal manner.

30. Details of Infrastructural facilities

a) Library:

- b) Internet facilities for Staff & Students
- c) Class rooms with ICT facility
- d) Laboratories

31. Number of students receiving financial assistance from college, university, government or other agencies : See table-iv at page no. 246-248.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: Every year through our departmental society, POLIS, we invite different scholars to deliver lectures on the various issues of politics.

33. Teaching methods adopted to improve student learning: As usual

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: None

35. SWOC analysis of the department and Future plans:

As a Department we have following plans for the future:

- We want to start a regular field visit based study for our Vth and VIth Semester students.
- Inclusion of more current books in the library. At present we are not able to do this due to lack of fund.
- Organize a National/International seminar in every academic year.
- We wish to develop a kind exchange programme with the other colleges of different universities of the country, which would give our students a new exposure

Department of Punjabi

1. **Name of the Department:** Punjabi
2. **Year of Establishment:** 1959
3. **Names of Programmes/Courses offered:** B.A.Program /Punjabi Discipline and Language courses.
4. **Names of Interdisciplinary courses and the departments/units involved:** NA
5. **Annual/semester/choice based credit system (programme wise):** Semester mode
6. **Participation of the department in the courses offered by other departments:** NA
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** None
8. **Details of courses/programmes discontinued (if any) with reasons:** NA
9. **Number of Teaching posts**

Posts	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	2	1 Associate Prof. under MPS; 1 Assit. Prof.

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. Etc.,)**

Name	Qualification	Designation	Specialization	No. of Years of experience in (yrs.)	No. of Ph.D. students guided for the last 4 years
Dr. Ravinder Singh	M.A., M.Phil. Ph.D.	Associate Professor	Diaspora Studies, Literary Criticism	19	Nil
Dr. Kamaljit Singh	M.A., M.Phil. Ph.D. NET	Assistant Professor	Gur mat Studies	7	Nil

11. **List of senior visiting faculty:** None
12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** Nil
13. **Student -Teacher Ratio (programme wise):** See table-ii at page no. 243.
14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled:** NA
15. **Qualifications of teaching faculty with DSc/D.Litt./Ph.D./M.Phil. / PG:** Details given in Point 10 above. 2
16. **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:**

Major Research Project-UGC Rs 10 Lac (on-going); MRP-UGC 80,000 Completed

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: NA

19. Publications:

a) Publication per faculty: 26/2=13

- Number of papers published in peer reviewed journals (national / international) by faculty and students: 26
- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): N.A.
- Monographs Nil
- Chapter in Books Nil
- Books Edited nil
- Books with ISBN/ISSN numbers with details of publishers Nil
- Citation Index

Name of Faculty	No. of papers in journals	Citations
Dr. Ravinder Singh	19	NA
Dr. Kamaljit Singh	7	NA

20. Areas of consultancy and income generated: None

21. Faculty as members in: a) National committees b) International Committees c) Editorial Boards -Nil

22. Student projects

- a. Percentage of students who have done in-house projects including inter departmental/programme- No information available
- b. Percentage of students placed for projects in organizations outside the institution *i.e.*, in Research laboratories/Industry/ other agencies-No information available

23. Awards / Recognitions received by faculty and students: None

24. List of eminent academicians and scientists/visitors to the department :

Prof. Kapil Kapoor, Prof. Jagbir Singh, Prof. Jasbir Jain, Prof. R. S. Rangila, Prof. S. S. Noor, Prof. Rawail Singh, Prof. Gurmeet Singh, Prof. Jaswinder Singh, Dr. M. K. Gill and most of the Punjab and Punjabi University's eminent academicians have visited the Department.

25. Seminars/ Conferences/Workshops organized & the source of funding

- b) **National :** 11 (College and Punjabi Academy, Delhi)
- c) **International :** 2 (College and Punjabi Academy, Delhi)

26. **Student profile programme/course wise:** See table-ii at page no. 244.
27. **Diversity of Students :** See table-iii at page no. 245.

28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?** N.A.

29. **Student progression** College doesn't keep the desired information in any formal manner.

30. Details of Infrastructural facilities

- a) **Library:** Punjabi Text books, reference books and other general study material available
b) **Internet facilities for Staff & Students:** Available
c) **Class rooms with ICT facility:** None
d) **Laboratories:** NA

31. **Number of students receiving financial assistance from college, university, government or other agencies:** See table-iv at page no. 246-248.

32. **Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:** Special Lectures and seminars organized for Students.

33. **Teaching methods adopted to improve student learning:** Laptops and other modern electronic gadgets are used in teaching etc.

34. **Participation in Institutional Social Responsibility (ISR) and Extension activities:** Involved in various committees of the Staff Council for this purpose viz., Admission Committee, ECA, Time Table etc.

35. SWOC analysis of the department and Future plans:

Strength

Highly qualified faculty, having varied academic and research interests that they use to impart knowledge and life skills in the students. They are active in media like Radio, TV and other print media and their experience is used in class-room teaching. Locational advantage, Students diversity.

Weaknesses

Space constraints, Infrastructural facilities, B.A.(H) approval pending.

Opportunities, Challenges and Future Plans

To meet with rising expectations students and society. To motivate more and more students for the language. Introduction to job opportunities available, organizing more seminars and educational trips. Organising more and more seminars/workshop for the benefit of students. To meet with rising expectations students and society.

Department of Sanskrit

1. **Name of the Department:** Sanskrit
2. **Year of Establishment :** 1959
3. **Names of programme offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt. etc.):** B.A. (Prog)
4. **Name of Interdisciplinary courses and the departments/units involved:** B. A. (Prog), Hindi, History, Political Science
5. **Annual/Semester/Choice Based Credit System (programme wise):** Sem., CBCS
6. **Participation of the department in the courses offered by other departments:** Hindi, History, Political Science
7. **Courses in collaboration with other universities, industries, foreign institutions etc.:** NA
8. **Details of courses/ programme discontinued (if any) with reason:** None
9. **Number of teaching posts:**

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	1	1 (Adhoc)

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D./ M.Phil. etc.):**

Name	Qualification	Designation	Specialization	No. of Years of exp. in (yrs.)	No. of Ph.D. students guided last 4 years
Dr. Kakoli Ray	M.A.(Sanskrit & Hindi), M.Phil, Ph.D (Sanskrit & Hindi), NET (UGC)	Asstt. Professor	Poetics	8 yrs	NA

11. **List of senior visiting faculty:** Nil
12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** 100%
13. **Students- Teachers Ratio (programme wise):** See table-i at page no. 243.
14. **Number of academic support staff (technical and administrative staff; sanctioned and filled:** NA
15. **Qualification of teaching faculty with DSC/ D.Litt./ Ph.D./ M.Phil./ PG:** Ph.D. - 1
16. **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:** Nil
17. **Departmental projects funded by DST- FIST; UGC, DBT, ICSSR, etc. and total grants received:** Nil
18. **Research Centre/ Facility recognized by the University:** NA
19. **Publications:**

a) Publication per faculty: 06/01 : 06

- Number of papers published in peer reviewed journals: 06
- Chapter in Books : 04
- Books: 04.

20. Areas of consultancy and income generated: Nil

21. Faculty as members in:

a) National committees b) International Committees c) Editorial Boards Nil

22. Students projects:

- 1) Percentage of students who have done in-house projects including inter departmental/programme No information available
- 2) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies No information available

23. Award/Recognition received by faculty and students: Nil

24. List of eminent academicians and scientists/ visitors to the department: None

25. Seminars/ Conference/ Workshops organized & the source of funding:

c) National: Nil

d) International: Nil

26. Students profile programme/ course wise : See table-ii at page no. 244.

27. Diversity of Students : See table-iii at page no. 245.

28. How many students have cleared national and state competitive examination such as NET, SLET, GATE, Civil services, Defence services, etc.? N.A.

29. Students progression: College doesn't keep the desired information in any formal manner.

30. Details of Infrastructural facilities:

a) Library: College library facility.

b) Internet facilities for staff & facilities: Centralized computer center, college campus is Wi-Fi enabled.

c) Class rooms with ICT facility: Big classrooms have overhead projectors.

d) Laboratories: NA

31. Number of students receiving financial assistance from college, university, government or other agencies: See table-iv at page no. 246-248.

32. Details on students' enrichment programme (special lectures/ workshops/ seminars) with external experts: None

33. Teaching Methods adopted to improve students learning:

- Student friendly approach towards teaching-learning.
- Students are encouraged to work on projects.
- Students are encouraged to actively participate in inter-departmental activities.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil

35. SWOC analysis of the department and Future Plans:

Strengths

Very qualified, devoted and hardworking faculty; Many extra-curricular activities are organized by the department; Excellent relationship between students and teachers.

Weakness, Opportunities and Challenges

Infrastructure constraints; No permanent faculty.

Future plans

Hiring of permanent faculties; Attempt to get honors course in the department; Attempting to extend teaching of the language to non-humanities students. To meet with rising expectations students and society.

Department of Urdu

1. Name of the department : Urdu
2. Year of Establishment : 1959
3. Names of Programmes / Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc.): B.A Prog. (UG).

4. Names of Interdisciplinary courses and the departments/units involved: B.A. (Prog), Hindi, History, Political Science

5. Annual/ semester/choice based credit system (programme wise) : Sem., CBCS

6. Participation of the department in the courses offered by other departments: Hindi, History & Political Science

7. Courses in collaboration with other universities, industries, foreign institutions, etc. :None

8. Details of courses/programmes discontinued (if any) with reasons: None

9. Number of Teaching posts

Posts	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	2	1 (Associate Professor promoted under CAS) and 1 Asst. Prof.(Ad-hoc)

*Total sanctioned posts of department of Botany.

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. Etc.,)

Name	Qualification	Designations	Specialization	No. of Years of experience in (yrs.)	No. of Ph.D. students guided 4 years
Dr. Maula Baksh	M.Phil., Ph.D.	Assoc.prof.	Criticism	13	2
Dr. Abu Zahir Rab Bani	M.Phil., Ph.D.	Asstt. prof.	Fiction and criticism	6.5 years,	NA

11. List of senior visiting faculty : Nil

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : 100% (the permanent teacher is currently *on lien*)

13. Student -Teacher Ratio (programme wise): See table-i at page no. 243.

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NA

15. Qualifications of teaching faculty with DSC/D.Litt./Ph.D./M.Phil./PG: Details given in Point 10 above.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : Nil.

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : Nil

18. Research Centre /facility recognized by the University: NA

19. Publications:

a) **Publication per faculty: 7**

- Chapter in Books 9
- Books with ISBN/ISSN numbers with details of publishers 1

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

Dr. Maula Bakshi:(1) Member of Sahitya Academy, (2) Member of Ministry of Culture.

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: No information available

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: No information available

23. Awards / Recognitions received by faculty and students: Dr. Maula Bakshi – Critic Award by URDU Academy, Delhi

24. List of eminent academicians and scientists / visitors to the department: Prof. Ibne Kanwal, Prof. Anwae Pasha, Prof. Irteza Karim, Prof. Kausar Mazhari, Prof. Atiqullah, Prof. Sadiq, Prof. S.R. Kidwai, Prof. Mohommad Shahid Husain, Prof. Khalid Mehmood, Prof. Wahajuddin Alvi, Prof. Ratan Singh, Prof. Ghazanfar

25. Seminars/ Conferences/Workshops organized & the source of funding:

a) **National:**Seminar held on February 18-19, 2014 funded by the National council for promotions of Urdu languages, HRD Ministry and Urdu Academy.

b) **International:** Nil

26. Student profile programme/course wise: See table-ii at page no. 244.

27. Diversity of Students: See table-iii at page no. 245.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? N.A.

29. Student progression: College doesn't keep the desired information in any formal manner.

30. Details of Infrastructural facilities

a) **Library:** College library as available to all others

- b) Internet facilities for Staff & Students: Provided by college, college campus is Wi-fi.
- c) Class rooms with ICT facility: As provided by the college
- d) Laboratories: NA

31. Number of students receiving financial assistance from college, university, government or other agencies: See table-iv at page no. 246-248.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: Nil.

33. Teaching methods adopted to improve student learning:

Student friendly approach towards teaching-learning; Students are encouraged to work on project; Students are encouraged to actively participate in inter-departmental activities

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Participated in “Swacch Bharat Abhiyaan”.

35. SWOC analysis of the department and Future plans :

Strengths

Very qualified, devoted and hardworking faculty; Many extra-curricular activities are organized by the department; Excellent relationship between students and teachers.

Weakness, Opportunities and Challenges

Infrastructure constraints; No permanent faculty (Only permanent faculty is on lien)

Future plans

Hiring of permanent faculties; Attempt to get honors course in the department; Attempting to extend teaching of the language to non-humanities students.

Department of Zoology

1. **Name of the department :** Zoology
2. **Year of Establishment :** 1959
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** Bachelor of Honors in Zoology (three years).

4. **Names of Interdisciplinary courses and the departments/units involved:** B.Sc. Life Sciences (Botany, Zoology, Chemistry); B. Sc. Physical Sciences (Botany, Zoology, Mathematics, Chemistry, Physics & Computer Science); Environmental Studies & Papers as per the mandate/structure of CBCS.

5. **Annual/ semester/choice based credit system (programme wise):** All courses are in semester mode. Present First year is in Choice Based Credit System (programme wise)

6. **Participation of the department in the courses offered by other departments:** Participation in teaching with Department of Botany, Chemistry, Geography, Mathematics and Computer Science.

7. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** N.A.

8. **Details of courses/programmes discontinued (if any) with reasons :** B.Sc. (General, Gp.– B): Changed to B.Sc. Programme; B.Sc. (H) Zoology FYUP: DU rollback FYUP & B.Sc.(H) Applied Zoology : Replaced by B.Sc.(H) Zoology

9. Number of Teaching posts

Posts	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	15	7 promoted to Assoc. Prof. under CAS, 5 Assist Prof. (P) +1 Assist. Prof. (Adhoc)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. Etc.,)

Name	Qualification	Designation	Specialization	No. of year of experience in (yrs.)	No. of Ph.D. students guided for the last 4 year
Dr. V.P. Aggarwal	M.Sc.; Ph.D.	Associate Professor	Cell Biology & Physiology	35	Nil
Dr. (Mrs.) R. Saxena	M.Sc.; M.Phil.; Ph.D.	Associate Professor	Entomology	24	Nil
Dr. (Mrs.) M. Rajbanshi	M.Sc.; Ph.D.	Associate Professor	Endocrinology & Reproductive Biology	35	Nil

Dr. (Mrs.) R. Rath	M.Sc.; Ph.D.	Associate Professor	Entomology	29	Nil
Dr. (Mrs.) N. Sood	M.Sc.; Ph.D.	Associate Professor	Endocrinology, BioChem & Immunology	24	Nil
Dr. (Mrs.) S. Gupta	M.Sc.; Ph.D.	Associate Professor	Cell & Molecular Biology	23	Nil
Dr. (Mrs.) N. Saxena	M.Sc.; Ph.D.	Associate Professor	Endocrinology	30	Nil
Dr. Sanjiv Mullick	M.Sc.; Ph.D.	Assistant Professor (Stage-2)	Entomology, Animal Behaviour	17	01
Dr. P.V. Arya	M.Sc.; M.Phil.; Ph.D. [CSIR-NET-JRF]	Assistant Professor (Stage-2)	Parasitology, Bioinformatics & Cancer Biology	10	02
Dr. (Mrs.) Neetu Bharti	M.Sc.; M.Phil.; Ph.D. [CSIR-NET-JRF]	Assistant Professor (Stage-1)	Cancer Biology, Proteomics & Genomics	06	Nil
Dr.(Ms.)Vatsala Dwivedi	M.Sc.; Ph.D. [CSIR-NET-JRF]	Assistant Professor (Stage-1)	Molecular Biology	01	Nil
Dr.(Mrs.) Ritu Rai	M.Sc.; Ph.D.	Assistant Professor (Stage-1)	Cytogenetics & Molecular Biology	03	Nil
Dr. Dharmendra Singh	M.Sc.; M.Phil.; Ph.D.	Assistant Professor (Ad-Hoc)	Fish & Fisheries	04	NA

11. List of senior visiting faculty: Dr. (Mrs.) Asha Kawatra

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: 10% (Adhoc faculty)

13. Student -Teacher Ratio (programme wise): See table-i at page no. 243.

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :

NAME OF POST	SANCTIONED	EXISTING
Technical Assistant	1	1
Lab. Assistant	6	6
Lab. Attendant	3	3

15. Qualifications of teaching faculty with DSC/ D.Litt./Ph.D./ MPhil / PG: Details given in Point 10 above.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : Two UGC project (Rs. 10.52 Lac), Innovation projects sponsored by Delhi University (Total Rs. 7.0, 5.0 & 4.0 Lac)

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : Nil

18. Research Centre /facility recognized by the University: Theoretical High Energy Physics facility. None

19. Publications:

a) Publication per faculty: $91/13 = 7$

- Number of papers published in peer reviewed journals (national / international) by faculty and students: 91
- Number of publications listed in International Database (For E.g.: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : 91
- Monographs : None
- Chapter in Books

Name of Faculty	Chapters in Books
Dr. (Ms.). A. Kawatra	1
Dr. (Ms.) R. Saxena	4
Dr. (Ms.) R. Rath	2
Dr. (Ms.) N. Sood	4
Dr. (Ms.) S. Gupta	2
Dr. (Ms.) N. Saxena	2
Dr. Sanjiv Mullick	2
Dr. P.V. Arya	2
Dr. (Ms.) Neetu Bharti	2
Dr.(Miss.)Vatsala Dwivedi	1
Dr. Dharmendra Singh	1

- Books Edited : None
- Books with ISBN/ISSN numbers with details of publishers : None
- Citation Index

Name of Faculty	No. of papers in journals	Citations
Dr. V.P. Aggarwal	08	02
Dr. (Mrs.). A. Kawatra	03	02
Dr. (Mrs.) R. Saxena	10	02
Dr. (Mrs.) M. Rajbanshi	02	02
Dr. (Mrs.) R. Rath	04	02
Dr. (Mrs.) N. Sood	10	02
Dr. (Mrs.) S. Gupta	02	02
Dr. (Mrs.) N. Saxena	06	02
Dr. Sanjiv Mullick	03	03
Dr. P.V. Arya	25	19
Dr. (Mrs.) Neetu Bharti	03	02

Dr.(Ms.) Vatsala Dwivedi	08	03
Dr. Dharmendra Singh	20	20

- SNIP -Nil
- SJR -Nil
- Impact factor -Nil
- h-index :

Name of Faculty	h-index
Dr. P.V. Arya	2

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

b) National committees b) International Committees c) Editorial Boards....

Name of Faculty	National / International	Committee/ editorial Boards
Dr. (Mrs.) R. Saxena	Nil	<ul style="list-style-type: none"> • Associate Editor • Journal of Entomology and Zoology Studies
Dr. P.V. Arya	Nil	<ul style="list-style-type: none"> • Technical Editor • International Journal of Virology ; • International Journal of Zoological Research • Journal of Biological Sciences. • Reviewer : Omics Publishing Group Pharmaceutical Sciences Journals viz., • Journal of Vaccines & Vaccination • Journal of Molecular Biomarker & Diagnosis; • Journal of Drug Metabolism & Toxicology; • Journal of Developing Drugs.

22. Student projects

- a. Percentage of students who have done in-house projects including inter departmental/programme: 10%
- b. Percentage of students placed for projects in organizations outside the institution *i.e.*, in Research laboratories/Industry/ other agencies: 5%

23. Awards / Recognitions received by faculty and students :

Name of Faculty	Award/Recognition
Dr. (Mrs.) R. Rath	<ul style="list-style-type: none"> • Awarded National Scholarship(1974-75), Junior Research Fellowship (1975-77) & SRF(1978-79) from UGC • Recipient of Smt. Usha Gangulay Gold Medal for academic excellence and being the University Topper in Zoology 1983, Best Candidate Examination MSc Zoology • Recipient of University Gold Medal for academic excellence and being the University Topper in Zoology 1981, Best Candidate of Zoology Examination BSc Hons.
Dr. P.V. Arya	<ul style="list-style-type: none"> • Faculty Development Program -2012-2013 (Uni. of Delhi) for M.Sc. (Cancer Immunology & Biotechnology) Uni. of Nottingham, Nottingham, UK. • Science Academies Summer Research Fellowship Programme-2011 (SRFP-2011) and worked with Prof. B.C.

	<p>Das, Founder Director ICPO; Then Prof. Gurbaksh Singh Chair & Director Dr. B.R. Ambedkar Centre for Biomedical Research (University of Delhi), Delhi-11007.</p> <ul style="list-style-type: none"> • JRF & SRF of CSIR • Merit Scholarship for M. Phil. on the basis of 2ND position in merit of the M. Phil. (Zoology) entrance exam conducted by the CCS University during 1999- 2000.
Dr. (Mrs.) Neetu Bharti	<ul style="list-style-type: none"> • Awarded with Distinction in Masters in Research (M. Res. Advance Genomics and Proteomic Sciences) programme at School of Biosciences, University of Nottingham, England (Sept 2012 - Sept 2013) under Delhi University Faculty Training Scholarship (FTP). • Selected in “11th East Midlands Proteomics Workshop” Loughborough University, England on 28th Nov. 2012. • Selected in “EACR Special Conference on Cancer Genomics” European Accreditation Council for Continuing Medical Education held at Churchill College, University of Cambridge, England (25–28 June 2013).
Dr.(Ms.)Vatsala Dwivedi	<ul style="list-style-type: none"> • Best poster award for Dwivedi <i>et al.</i>, 2013 Genome sequence and enzymatic application of <i>Thermus</i> sp. strain RL, isolated from a hot water spring located atop the Himalayan ranges at Manikaran, India. • Poster presented in the 54th Annual Conference of Association of Microbiologists of India (AMI) at MDU, Rohtak, Haryana, India 17–20 Nov., 2013.
Dr.(Mrs.) Ritu Rai	<ul style="list-style-type: none"> • DST Project under Fast Track Scheme for Young Scientists, 2005 • DBT Postdoc. Fellowship, 2005 • DST-Research Associate Fellowship, Oct.2004- Feb.05 • CSIR SRF, Aug.2002-Oct. 03. • UGC SRF, Jun. 2000-Mar.02. • UGC-JRF, Feb.1999- May2000. • DAE JRF, June 1998-Jan.1999. • Awarded II best speaker for the M.Sc. seminar series, 1997 • Jawaharlal Nehru Scholarship, 1989-1994 • National Scholarship, 1989 • Merit Certificate from CBSE, 1989
Dr. Neera Saxena	<ul style="list-style-type: none"> • JRF(ICMR), JRF(UGC), SRF(CSIR) & RA(CSIR)

24. List of eminent academicians and scientists / visitors to the department :

Prof. Rup Lal (Biotechnologist), Dr. P. Kumar (Wildlife photographer), Prof. N.P.S. Chauhan (Wild Life Biologist), Prof. A.K. Singh (Animal Behaviourist), Prof. J.P. Khurana (Plant Molecular Biotechnologist), Prof. K. Muralidhar (Endocrinologist), Mrs Shobha Tuli, President (Federation Of India, Thalessemia), Dr. Ravi Chadurvedi(Zoologist & Cricket Commentrator of international fame).

25. Seminars/ Conferences/Workshops organized & the source of funding

- c) **National:**No information available
d) **International:** No information available

26. Student profile programme/course wise: See table-ii at page no. 244.

27. Diversity of Students : See table-iii at page no. 245.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

These are generally taken after post-graduation. However some of our students have entered in NET, SLET, GATE, Civil services and defences service, but as such the college doesn't keep the desired information in any formal manner.

29. Student progression Not available officially. Informlly in touch with students.

30. Details of Infrastructural facilities

- a) Library: Central Library facility available. Books are regularly updated. A smaller departmental facility is also in place based on books offered/donated by the faculty members.
- b) Internet facilities for Staff & Students: Central facility (Wi-Fi campus) freely available to both the students as well as staff.
- c) Class rooms with ICT facility: Ample number of rooms are available which are equipped with ICT facility
- d) Laboratories: Three Functional Laboratories dedicated for the practical of the department.

31. Number of students receiving financial assistance from college, university, government or other agencies : See table-iv at page no. 246-248.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: Every year under Zoology society of the college we invite experts to deliver special lectures on various aspects of Life Sciences including recent research areas for the benefit of students & faculty members. These events are thoroughly appreciated by the students as well as fellow faculty members. Visitors as mentioned at Sl. no. 24

33. Teaching methods adopted to improve student learning: Usage of ICT for lectures and practical. Involvement of students in Zoology society and other organizational activities. Regular interaction with students for their feedback better learning by the students.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities :

Name of Faculty	ISR & Extension activities
Dr. V.P. Aggarwal	Bursar in the college. Teacher-In-Charge Member committees viz., Discipline; House Examination; DUSU, College Student Union Election Committee
Dr. (Mrs.) R. Saxena	Member committee's viz., Discipline; House Examination; DUSU, College Student Union Election Committee; Teacher-In-Charge.
Dr. (Mrs.) M. Rajbanshi	Member committees viz., Garden Committee; Library Committee.
Dr. (Mrs.) R. Rath	Member committees viz., Garden; Library. Teacher-In-Charge
Dr. (Mrs.) N. Sood	Member committees viz., Garden; Library. Teacher-In-Charge
Dr. (Mrs.) S. Gupta	Member committees viz., Garden Committee; Library Committee.
Dr. (Mrs.) N. Saxena	Member committees viz., Garden Committee; Library Committee.
Dr. Sanjiv Mullick	Coordinating Activities in Dyal Singh College Central Evaluation Centre since its inception in college. Teacher-In-Charge Member committees viz., Discipline Committee ;

	Time Table Committee; Academic Committee; Library Committee; House Examination Committee; Disaster Management Committee, DUSU, College Student Union Election Committee
Dr. P.V. Arya	Public Information Officer (from 1.03.2011) Teacher-In-Charge (2010-11 & 2015-16); Organised Educational Trips for students. Dramatics convener-[Organized 3rd annual theatre festival of college (11-13 Dec.2010.)] Member- Time Table Committee; College Admission committee House Examination Committee; Life Member of Indian Science Congress (ISC); Indian Immunology Society (IIS); Indian Peptide Society (IPS); Indian Society of Parasitology (ISP) LM-662; Association for Promotion of DNA Technologies (ADNAT).
Dr. (Mrs.) Neetu Bharti	Member committees viz., Discipline Committee ; Time Table Committee; Academic Committee; Library Committee; Admission Committee; DUSU, College Student Union Election Committee
Dr.(Ms.)Vatsala Dwivedi	Member committees viz., Admission Committee;
Dr.(Mrs.) Ritu Rai	Member various committees viz., Admission Committee

35. SWOC analysis of the department and Future plans :

Strength

Highly qualified faculty at least Ph.D. from reputed institutions in various fields of Zoology. Faculty members are involved in active research work and collaborative projects. Faculty members are deeply involved in most of the institutional social responsibility programs. Faculty members are associated with the curricula/course development and upgrading in various academic bodies viz., UGC, NCERT, NIOS, and Delhi University etc. Well trained, supportive and cooperative non-teaching staff helping smooth conduct of departmental activities.

Weakness

Limited space in department. Limitations in labs for students. Limitation in funds much needed for the expansion of facilities.

Opportunities, Challenges & Future plans

- Lab expansion (both space wise and infrastructure wise) to match with student strength.
- Proposing Research Lab facility to utilise expertise of faculty member in frontier areas of research.
- Establishment of a small computing/bioinformatics lab in the department that could be available to students of the department throughout the day.
- To make lectures and labs more interactive by using ICT technologies.
- To encourage students for more research activity at undergraduate level.
- To meet with rising expectations students and society.

Table – i : Summary of course wise Teacher-student Ratio *

Sl.	Name of the Programme/Course	Teacher-student Ratio
1	B.A. Program	1:60
2	B.A. (H) Hindi	1:40
3	B.A. (H) Economics	1:40
4	B.A. (H) History	1:40
5	B.A. (H) Political Science	1:40
6	B.A. (H) Geography	1:40
7	B.A. (H) English	1:40
8	B.Com. Program	1:60
9	B.Com. (H)	1:40
10	B.Sc. (H) Maths	1:40
11	B.Sc. (H) Botany	1:40
12	B.Sc. (H) Chemistry	1:40
13	B.Sc. (H) Physics	1:40
14	B.Sc. (H) Zoology	1:40
15	B.Sc. Physical Science	1:60
16	B.Sc. Phy. Sci. (Comp. Sc.)	1:60
17	B.Sc. Life Science	1:60

*** Based & followed on sanctioned strenght of the course for theory papers only. In case of tutorial 1 : 8 & 1 :12 for Hon & Pass/Prog. Cources respectively. For practicals 1 : 15 & 1 : 20 is observed for Hon. & Program courses respectively.**

Table – ii : Summary of fee concession to students from the college during last 03 years

Sl.	Name of the Programme/Course	Total Students 2012-13	Total Students 2013-14	Total Students 2014-15	Total Strength
1	B.A. Program	Breakup details not available	20	89	109
2	B.A. (H) Hindi		26	28	54
3	B.A. (H) Economics		10	3	13
4	B.A. (H) History		44	37	81
5	B.A. (H) Political Science		81	86	167
6	B.A. (H) Geography		28	25	53
7	B.A. (H) English		6	2	8
8	B.Com. Program		18	16	34
9	B.Com. (H)		28	23	51
10	B.Sc. (H) Mathematics		50	29	79
11	B.Sc. (H) Botany		9	10	19
12	B.Sc. (H) Chemistry		14	29	43
13	B.Sc. (H) Physics		21	38	59
14	B.Sc. (H) Zoology		3	3	6
15	B.Sc. Physical Science		21	25	46
16	B.Sc. Phy. Sci. (Comp. Sc.)		0	0	0
17	B.Sc. Life Science		10	14	24
	Total Number	83	389	459	931
	Total Amount (in Rs.)	2,29,080/-	10,05,680/-	16,49,530/-	28,84,290/-

Table – iii : Course wise students profile based on cut off for admission in the college in 2015-16.

Course	General		OBC		SC		ST		PwD	
	Max.	Min.	Max	Min.	Max.	Min.	Max.	Min	Max.	Min.
B. A. Programme	85	83	82	71	77	71	77	58	75	65
B. A. (H) Economics	95	95	85	85	80	65	80	54	70	60
B. A. (H) English	96	94	93	80	91	84	92	79	80	70
B.A. (H) History	80	80	75	75	70	70	68	68	55	55
B.A. (H) Hindi	75	73	70	67	69	66	65	54	55	50
B.A. (H) Pol. Sc.	90	89.5	87	80	85	82	85	73	80	70
B.A. (H) Geography	86	86	82	82	76	76	76	76	66	66
B.Com. Programme	94	94	88	83	84	78	82	63	72	68
B.Com (H)	96	96	90	80	86	76	82	55	75	70
B.Sc. (H) Physics	94	93	90	89	88	78	82	62	70	55
B.Sc. (H) Chemistry	95	93.33	90	88	85	79	80	80	74	55
B.Sc. (H) Botany	88	86	86	81	84	75	84	68	70	55
B.Sc. (H) Zoology	88	88	85	83.33	84	80	81	71	75	55
B.Sc. (H) Maths	92	92	90	86	80	76	80	61	75	70
B. Sc. Physical Sc.	90	78	88	72.33	84	62	80	45	65	45
B. Sc. Life Science	86	84	83	75	80	72	80	61	65	45
B. Sc. Physical Sc. (Computer Sc.)	88	81	86	76	85	61	85	45	75	45

Table- iv : Student diversity course/programme wise in the college for 2015-16 admissions

Course	Category	Local Students	Other State	% other state	Grand Total	
BA (Prog)	Total	205	27	11.64	232	
	Female	90	19	17.43	109	
	ECA		1	100	1	
	OBC	11	4	26.67	15	
	SC	15	1	6.25	16	
	ST	7	1	12.50	8	
	StaffColg	1	0	0.00	1	
	UR	56	12	17.65	68	
	Male	115	8	6.50	123	
	ECA	1	0	0.00	1	
	OBC	25	3	10.71	28	
	PwD	3	0	0.00	3	
	SC	18	0	0.00	18	
	Sports	2	0	0.00	2	
	ST	9	1	10.00	10	
	StaffColg	1	0	0.00	1	
	UR	56	4	6.67	60	
	Bcom (Hons)	Total	145	95	39.58	240
		Female	104	75	41.90	179
ECA			1	100	1	
OBC		23	12	34.29	35	
SC		13	3	18.75	16	
ST		1	1	50.00	2	
StaffColg		1	1	50.00	2	
UR		66	57	46.34	123	
Male		41	20	32.79	61	
Army		1	0	0.00	1	
ECA			2	100	2	
Foreign		3	0	0.00	3	
KashmrMigt			1	100	1	
OBC		9	11	55.00	20	
PwD		1	0	0.00	1	
SC		20	4	16.67	24	
Sports		4	1	20.00	5	
ST		3	0	0.00	3	
UR			1	100	1	

Bcom (Pro)	Total	95	110	53.66	205
	Female	48	68	58.62	116
	OBC	12	14	53.85	26
	SC	10	5	33.33	15
	ST	3	1	25.00	4
	UR	23	48	67.61	71
	Male	47	42	47.19	89
	ECA	1	1	50.00	2
	Foreign	1	1	50.00	2
	OBC	12	12	50.00	24
	PwD	2	2	50.00	4
	SC	3	8	72.73	11
	Sports	4	2	33.33	6
	ST	9	5	35.71	14
	StaffColg	1	0	0.00	1
	StaffUniv	1	0	0.00	1
UR	13	11	45.83	24	
Botany	Total	40	22	35.48	62
	Female	35	19	35.19	54
	OBC	4	2	33.33	6
	SC	2	1	33.33	3
	ST		1	100	1
	UR	29	15	34.09	44
	Male	5	3	37.50	8
	PwD	1	0	0.00	1
	ST	1	0	0.00	1
	UR	3	3	50.00	6
Chemistry	Total	15	15	50.00	30
	Female	10	10	50.00	20
	OBC	1	4	80.00	5
	SC	1	1	50.00	2
	ST		1	100	1
	UR	8	4	33.33	12
	Male	5	5	50.00	10
	OBC	3	1	25.00	4
	Sports		1	100	1
	ST	1	1	50.00	2
	UR	1	2	66.67	3

Contd.

Economics	Total	106	76	41.76	182	
	Female	80	63	44.06	143	
	OBC	5	2	28.57	7	
	PwD	1	0	0.00	1	
	UR	74	61	45.19	135	
	Male	26	13	33.33	39	
	ECA	1	0	0.00	1	
	OBC	8	8	50.00	16	
	SC	1	1	50.00	2	
	ST	3	0	0.00	3	
	StaffUniv	1	0	0.00	1	
	UR	12	4	25.00	16	
	English	Total	45	21	31.82	66
		Female	34	18	34.62	52
ECA		1	0	0.00	1	
Foreign		1	0	0.00	1	
OBC		6	7	53.85	13	
SC		6	0	0.00	6	
ST		2	0	0.00	2	
UR		18	11	37.93	29	
Male		11	3	21.43	14	
Army			1	100	1	
Foreign		1	0	0.00	1	
OBC		3	1	25.00	4	
PwD		1	0	0.00	1	
SC		1	0	0.00	1	
Sports	2	0	0.00	2		
ST	1	1	50.00	2		
StaffColg	1	0	0.00	1		
UR	1	0	0.00	1		
Geography	Total	121	37	23.42	158	
	Female	52	13	20.00	65	
	OBC	4	1	20.00	5	
	SC	7	3	30.00	10	
	ST	4	1	20.00	5	
	UR	37	8	17.78	45	
	Male	69	24	25.81	93	
	Foreign	1	0	0.00	1	
	OBC	12	5	29.41	17	
	SC	16	4	20.00	20	
	Sports	2	0	0.00	2	
	ST	9	1	10.00	10	
	UR	29	14	32.56	43	

Hindi		72	7	8.86	79
	Female	24	1	4.00	25
	OBC	4	1	20.00	5
	SC	3	0	0.00	3
	ST	2	0	0.00	2
	UR	15	0	0.00	15
	Male	48	6	11.11	54
	ECA	1	0	0.00	1
	OBC	14	4	22.22	18
	PwD	2	0	0.00	2
	SC	12	1	7.69	13
ST	4	0	0.00	4	
UR	15	1	6.25	16	
History	Total	154	57	27.01	211
	Female	49	20	28.99	69
	OBC	1	1	50.00	2
	PwD	1	0	0.00	1
	SC	7	5	41.67	12
	ST	2	0	0.00	2
	UR	38	14	26.92	52
	Male	105	37	26.06	142
	ECA	1	0	0.00	1
	OBC	22	11	33.33	33
	PwD	1	0	0.00	1
	SC	17	2	10.53	19
	Sports	1	1	50.00	2
	ST	6	3	33.33	9
UR	57	20	25.97	77	
Life Science	Total	45	16	26.23	61
	Female	35	13	27.08	48
	OBC	9	3	25.00	12
	SC	6	2	25.00	8
	StaffColg		1	100	1
	UR	20	7	25.93	27
	Male	10	3	23.08	13
	OBC	3	1	25.00	4
	PwD	1	0	0.00	1
	SC	1	0	0.00	1
	ST	2	0	0.00	2
UR	3	2	40.00	5	
MA English	Total	3	6	66.67	9
	Female	2	3	60.00	5
	ST	1	2	66.67	3
	UR	1	1	50.00	2
	Male	1	3	75.00	4
	OBC		1	100	1
	SC	1	1	50.00	2
	UR		1	100	1

Contd.

Mathematics	Total	67	89	57.05	156
	Female	36	37	50.68	73
	OBC	2	3	60.00	5
	PwD	1	0	0.00	1
	SC	3	2	40.00	5
	ST	1	0	0.00	1
	UR	29	32	52.46	61
	Male	31	52	62.65	83
	ECA	1	0	0.00	1
	OBC	5	23	82.14	28
	PwD		2	100	2
	SC	5	3	37.50	8
	Sports		1	100	1
	ST	1	1	50.00	2
	StaffUniv		1	100	1
	UR	19	21	52.50	40
	MSC Math	Total	1	4	80.00
Female		1	4	80.00	5
UR		1	4	80.00	5
Physical Science	Total	57	66	53.66	123
	Female	24	21	46.67	45
	OBC	3	2	40.00	5
	SC	5	2	28.57	7
	Sports		1	100	1
	ST	1	1	50.00	2
	UR	15	15	50.00	30
	Male	33	45	57.69	78
	OBC	9	16	64.00	25
	SC	11	8	42.11	19
	Sports		2	100	2
	ST	3	0	0.00	3
	UR	10	19	65.52	29
	Phy. Sci. Comp. Sci.	Total	44	18	29.03
Female		14	9	39.13	23
OBC		3	1	25.00	4
SC			2	100	2
UR		11	6	35.29	17
Male		30	9	23.08	39
ECA		1	0	0.00	1
OBC		11	2	15.38	13
SC		7	1	12.50	8
ST		2	0	0.00	2
StaffColg		1	1	50.00	2
UR		8	5	38.46	13

Physics	Total	35	45	56.25	80
	Female	9	11	55.00	20
	ECA	1	0	0.00	1
	OBC		1	100	1
	UR	8	10	55.56	18
	Male	26	34	56.67	60
	OBC	5	11	68.75	16
	PwD		3	100	3
	SC	6	3	33.33	9
	Sports	2	0	0.00	2
	ST	5	1	16.67	6
	StaffUniv	1	0	0.00	1
	UR	7	16	69.57	23
	Political Science	Total	49	15	23.44
Female		21	9	30.00	30
OBC		3	2	40.00	5
PwD		1	0	0.00	1
SC		5	0	0.00	5
UR		12	7	36.84	19
Male		28	6	17.65	34
ECA		1	0	0.00	1
Foreign		2	0	0.00	2
OBC		4	4	50.00	8
PwD		2	0	0.00	2
SC		4	1	20.00	5
Sports		2	0	0.00	2
ST		3	0	0.00	3
UR	10	1	9.09	11	
Zoology	Total	21	11	34.38	32
	Female	21	9	30.00	30
	OBC	5	2	28.57	7
	SC	1	0	0.00	1
	UR	15	7	31.82	22
	Male		2	100	2
	SC		1	100	1
	Sports		1	100	1
Grand Total	1320	737	35.83	2057	

End of table

Appendix – I : Declaration by the college



दयाल सिंह कॉलेज
DYAL SINGH COLLEGE
(दिल्ली विश्वविद्यालय)
(University of Delhi)
लोधी रोड, नई दिल्ली – 110003
Lodi Road, New Delhi – 110003
दूरभाष/Telephone : 24367819, 24365948
फैक्स/Fax:- 24365606

18th March 2016

Declaration by the Head of the Institution

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the Institution after internal discussion, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

J.S.B.
18-3-16
(Dr.I.S.BAKSHI)
Principal
Principal
Dyal Singh College
(University of Delhi)
Lodhi Road New Delhi-3

Appendix – II: UGC Recognition u/s 2(f) & 12(B) Certificate

23236735/ 23239437/23235733
23232701
23237721/ 23232317/23234116/
23236351



UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAGAR MARG
NEW DELHI-110002
विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली – 110 002

UGC Website : www.ugc.ac.in

No. F.1-1/2013 (CPP-I/C)

October, 2015

The Principal
Dyal Singh College
Lodi Road
New Delhi – 110 003

30 OCT 2015

Subject : Recognition of Dyal Singh College, Lodi Road, New Delhi-110 003 under Section 2(f) and 12 (B) of the UGC Act, 1956.

Madam,

With reference to your letter no. P/PA/DSC dated 30.10.2015 on the above subject, I am directed to say that the name of Dyal Singh College, Lodi Road, New Delhi-110 003 established in the year of **1952**, affiliated to **University of Delhi, Delhi** is already included in the list of Colleges maintained under Section **2(f) & 12 (B)** of the UGC Act, 1956 under the head **Government** College teaching upto **Master's** Degree.

Yours faithfully,

Charan Dass
(Charan Dass)
Under Secretary

Appendix - III : Certificate of affiliation and approval of course from University of Delhi



UNIVERSITY OF DELHI
दिल्ली विश्वविद्यालय

CB-II/330/Circular/70/NAAC/2014/429

Dated: August 07, 2014

TO WHOM IT MAY CONCERN

This is to certify that "Dyal Singh College, Lodhi Road, New Delhi – 110 003" is affiliated/constituent with the "UNIVERSITY OF DELHI" since 1959 and recognized by the University Grants Commission under Section 2(f) and 12(b). The following courses / subjects are taught in the said college as per approval :

Sl. No.	Name of the Course(s) and Duration	Affiliation		Period of Validity for the year(s)		
		Permanent	Temporary			
(i)	Under-graduate	B.A. Programme	3 years	Permanent	-	-
		B.A. (Hons.) Hindi	3 years	Permanent	-	-
		B.A. (Hons.) Economics	3 years	Permanent	-	-
		B.A. (Hons.) History	3 years	Permanent	-	-
		B.A. (Hons.) Pol. Science	3 years	Permanent	-	-
		B.A. (Hons.) Geography	3 years	Permanent	-	-
		B.A. (Hons.) English	3 years	Permanent	-	-
		B.Com	3 years	Permanent	-	-
		B.Com (Hons.)	3 years	Permanent	-	-
		B.Sc. (Hons.) Mathematics	3 years	Permanent	-	-
		B.Sc. Physical Science	3 years	Permanent	-	-
		B.Sc. Physical Science (Computer Science)	3 years	Permanent	-	-
		B.Sc. (Hons.) Botany	3 years	Permanent	-	-
		B.Sc. (Hons.) Chemistry	3 years	Permanent	-	-
		B.Sc. (Hons.) Physics	3 years	Permanent	-	-
		B.Sc. (Hons.) Zoology	3 years	Permanent	-	-
B.Sc. Life Sciences	3 years	Permanent	-	-		
(ii)	Post-graduate	M.A. English (Tutorials only)	2 years	Permanent	-	-
		M.Sc. Mathematics (Tutorials only)	2 years	Permanent	-	-

The Principal,
Dyal Singh College,
University of Delhi.

Alka Sharma

Ms. Alka Sharma
Registrar

Seal: _____
Registrar
Dyal Singh College
Lodhi Road, New Delhi - 110003

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

Appendix - IV : Copy of IEQA performa submitted



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
 (An Autonomous Institution of the University Grants Commission)
 विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

IEQA EVALUATION RESULT

DETAILS	RESULT
Track ID	DLCOGN20788
Name Of The College	DYAL SINGH COLLEGE
Address	Lodhi Road New Delhi 03
E-Mail	go2dysingh@yahoo.com
IEQA Submission Date	30/09/2015
IEQA Closing Date	30/09/2015
IEQA Evaluation Status	<p>Congratulations ! You have earned IEQA status . Institution should submit SSR/SAR (5 hard copies and 1 soft copy) within six months from the date of obtaining IEQA Status.</p> <p>Please note that the SSR/RAR uploaded on your institutional website must not be password protected and accessible to public until completion of the A&A process by NAAC. For further details/ instructions on procedures and timelines for processing A&A applications kindly visit our website: www.naac.gov.in</p> <p>Note :</p> <p>a) No Separate intimation will be mailed on the above matter.</p> <p>b) Ensure submission of the SSR in the correct and applicable format. Please use the NAACs Manual for Self Study applicable to your institution.</p> <p>c) The Institutions are hereby advised to upload information on All India Survey of Higher Education in MHRD website (http://aishe.gov.in) under intimation to NAAC. At the time of submission of SSR/RAR to NAAC, institutions have to submit the documentary proof of uploading the AISHE information</p> <p>Please note that a copy of IEQA application submitted by college is to be annexed to SSR/SAR so that peer team can verify the data</p> <p>Kindly note: SSR/SAR should be submitted by post/courier only. SSR/SAR will not be accepted by hand in NAAC office.</p>

IEQA SUBMISSION DATE-30/09/2015

**INSTITUTIONAL ELIGIBILITY FOR QUALITY ASSESSMENT(IEQA)
QUESTIONNAIRE**

1 COLLEGE DETAILS			
Name of the college	DYAL SINGH COLLEGE	Year of establishment	1952
Location of the college	URBAN		
2 ADDRESS			
Address	Lodhi Road New Delhi 03	City	Delhi
State	Delhi	Pin Code	110003
Website	www.dsc.du.ac.in	E-Mail	go2dysingh@yahoo.com
Phone STD Code	011	Phone No	24365948
Fax STD Code	011	Fax	24365606
3 HEAD OF THE INSTITUTION			
Name	Dr. INDERJEET SINGH Bakshi	Designation	Principal
Status of appointment	PERMANENT		
4 CONTACT DETAILS OF HEAD OF THE INSTITUTION			
Phone std code	011	Phone number	24365948
Fax std code	011	Fax	24365606
Mobile	+919899173647	E-Mail	principal@dsc.du.ac.in
5 DOES THE COLLEGE FUNCTION FROM			
a. MAIN CAMPUS			
	AREA OF THE CAMPUS IN ACRES	TOTAL BUILT UP AREA IN sq.m.	
OWN BUILDINGS	11.855	14239.59	
RENTED BUILDINGS	0.0	0.0	
b. SATELLITE CAMPUS			
	AREA OF THE CAMPUS IN ACRES	TOTAL BUILT UP AREA IN sq.m.	
OWN BUILDINGS	0.0	0.0	
RENTED BUILDINGS	0.0	0.0	
6 NAME OF THE UNIVERSITIES TO WHICH THE COLLEGE IS AFFILIATED OR CONSTITUENT			
University1	University of Delhi, Delhi	Other	
Nature of relationship with the university	CONSTITUENT	If affiliated, status of affiliation	
University2		Other	
Nature of relationship with the university		If affiliated, status of affiliation	
University3		Other	
Nature of relationship with the university		If affiliated, status of affiliation	
7 STATUTORY PROFESSIONAL REGULATORY COUNCIL(S)			
Does the college offer any programme recognized by any Statutory Professional Regulatory Council(s)?			no
Programmes offered		Name of the Regulatory Council(s)	
8 COLLEGE FUNCTIONING			
Type of college	CO-EDUCATION	Time of functioning	DAY COLLEGE
Nature of funding	GOVERNMENT	Management	UNIVERSITY
9 MANAGEMENT/TRUST DETAILS			
Name of the Management		Recognition under Uge Act.1956	2f & 12b
10 MANAGEMENT/TRUST OF THE COLLEGE IS REGISTERED UNDER			
Society's registration Act of 1960	no	Relevant Act of the respective state Govt.	no

Any other (please specify)									
11 NUMBER OF DEGREES OFFERED BY THE COLLEGE									
UG	17	PG	2						
Research	0	Others	0						
Total	19								
12 DETAILS OF DEGREES OFFERED (B.A., M.A., B.Com., M.Com., B.Sc., M.Sc., M.Phil., Ph.D., etc.)									
Arts	AS PER AFFILIATION CERTIFICATE		Commerce						
Science			Education						
Health Science			Engineering & Technology						
Management			Others						
Is the college opting for Assessment & Accreditation of Teacher Education department separately?									no
Is the college opting for Assessment & Accreditation of Physical Education department separately?									no
Number of departments									0
13 TOTAL NUMBER OF STUDENTS (EXCLUDING THOSE IN SELF-FINANCING PROGRAMMES)									
	UG		PG		M.Phil/Ph.D		Value Added Courses (Certificate/Diploma)		
	Male	Female	Male	Female	Male	Female	Male	Female	
General	1362	2057	5	9	0	0	0	0	0
SC/ST	899	391	4	3	0	0	0	0	0
OBC	1001	485	3	0	0	0	0	0	0
Total	3262	2933	12	12	0	0	0	0	0
Grand Total	6219								
14 TOTAL NUMBER OF STUDENTS IN SELF-FINANCING PROGRAMMES									
	UG		PG		M.Phil/Ph.D		Value Added Courses (Certificate/Diploma)		
	Male	Female	Male	Female	Male	Female	Male	Female	
General	0	0	0	0	0	0	0	0	0
SC/ST	0	0	0	0	0	0	0	0	0
OBC	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0
Grand Total	0								
Total number of students in the college		6219							
15 NUMBER OF TEACHING, TECHNICAL AND ADMINISTRATIVE STAFF									
	Permanent		Temporary		Total				
	Male	Female	Male	Female	Male	Female			
Teachers with PG		5	3	16	17		21	20	
Teachers with M.Phil.		17	19	7	9		24	28	
Teachers with Ph.D		52	55	23	19		75	74	
Teachers with NET/SLET		53	36	41	39		94	75	
Technical staff		26	2	0	0		26	2	
Administrative staff		13	3	3	3		16	6	
Support staff		34	4	25	3		59	7	
Total no. of teachers		74	77	46	45		120	122	
16 SUPPORT SERVICES									
Number of titles of books					60000				
Number of journals					14				
Number of e-resources					103100				
Does the college have a registered Alumni Association?					no				
Does the college have a functional Placement Cell?					yes				
17 UNIT COST OF EDUCATION									
Unit Cost=Total annual expenditure divided by no. of students enrolled					67646.0				
Unit cost calculated excluding salary component					3146.0				
18 MENTION FIVE ACADEMIC MILESTONES OF THE COLLEGE									

First	2011: UNIVERSITY MERITORIOUS AWARD TO 03 STUDENTS
Second	2012: 100 PER CENT PASS PERCENT IN 04 CLASSES AND GREATER THAN 90 PERCENT IN 14 OTHER CLASSES
Third	2013: 14 RESEARCH PROJECTS AND 07 INNOVATION PROJECTS WITH GRANT OF RS 12910490/- INVOLVING 35 TEACHERS AND 70 STUDENTS
Fourth	2013: 10 PH D STUDENTS AND 03 POST DOCTORAL FELLOW UNDER SUPERVISION OF COLLEGE TEACHERS AND 04 PATENTS
Fifth	2015: AN ALUMNA (B. SC. LIFE SCI 2011) GOT ADMITTED IN PH.D. IN OXFORD UNIVERSITY
Section 2: Institutional Data Questionnaire	
1. The college has in place a structured internal quality assurance system for ensuring continuous quality monitoring or improvement	NO
2. Library has reading room facilities for students and faculty separately	YES
3. The college uses the students feedback for analysis and improvement purposes	YES
4. Basic computer literacy is ensured for all students in a structured way such as add on courses	NO
5. The college provides financial aid to at least 10% of the general category students	YES
6. The college has a mechanism for counselling students	YES
7. An annual in-house academic calendar is prepared and implemented by the college	YES
8. The college has a mechanism for addressing grievances of students and staff	YES
9. The college promotes scholarly activities of the faculty beyond the syllabus	YES
10. Internet facility is available in the college for faculty and students	YES
11. The college campus is differently-abled friendly	YES
12. The college has a formal mechanism to promote research activities of its students and faculty.	YES
13. The college has adequate sports facility	YES
14. The college has developed a short term and a long term plan for its development and growth	YES
15. Percentage of classrooms equipped with LCD projector	25-50%
16. Percentage of teachers using audio-visual aids including computer-aided teaching	>40%
17. The average number of extension activities organised by the college during the last four years	>6
18. Average percentage utilization of annual allocated funds for the last four years	>75%
19. Maintenance expenditure on infrastructure as percentage of the total annual budget	2-4%
20. Average pass percentage of graduating students	>70%
21. Computer students ratio	1:30-1:60
22. Percentage of faculty benefitted from UGC and other staff development programmes (average of last four years)	>10%
23. Percentage of permanent teachers with Ph.D. qualification	>40%
24. Percentage of classes taught by guest faculty or temporary teachers	20-50%
25. Students teacher ratio	<30:1
26. Percentage of faculty positions filled against sanctioned posts	<60%
27. Number of add-on courses conducted by the college	<3
28. Awards received by the students in sports and cultural activities in the last four years	State or University Level
29. Percentage of teachers having on-going or completed research projects in the last four years	>25%
30. Number of academic seminars or conferences or workshops that the college has organized (average of last four years)	>4
31. Number of Journals subscribed in the library National or International	10-20
32. Percentage of students admitted against the reservation category as per Government of India norms	>75%
Certificate	
This is to certify that the information given in the IEQA application is true to the best of my knowledge and ability and if the same is found to be false or misleading, I authorize NAAC to initiate any action which it deems fit including withholding the outcome of the Peer Team Visit.	

Appendix – VI : Income-Expenditure statement (in Rs.) of the College for the 2014-15; 2013-14; 2012-13 & 2011-12.

Income-Expenditure (in Rs.) Statement of the College for the financial year 2014-15		
Particulars	Current Year	Previous Year
INCOME		
Academic Receipts	3233297	2479717
Grants / Subsidies	438083000	315703000
Income from investments	7161128	10586746
Interest earned	1171037	1623527
Other Income	5664188	3879883
Prior Period Income	74752	0
TOTAL (A)	455387402	334272873
EXPENDITURE		
Staff Payments & Benefits (Establishment expenses)	377194626	347086119
Academic Expenses	376709	379917
Administrative and General Expenses	8609279	8051309
Transportation Expenses	0	0
Repairs & Maintenance	991062	1069718
Finance costs	30034	7895
Depreciation	1858749	2041072
Other Expenses	0	0
Prior Period Expenses	0	0
TOTAL (B)	389060459	358636030
Balance being excess of Income over Expenditure (A-B)	66326943	-24363157
Transfer to / from Designated Fund	1276713	978172
Building fund	0	0
Others (specify)	0	0
Balance Being Surplus / (Deficit) Carried to Capital Fund	65050230	-23384985

Contd.

Contd.

Income-Expenditure (in Rs.) Statement of the College for the financial year 2013-14		
	Current year	Prev. year
INCOME		
Income from Sales/ Services	74192	10988
Grant/ Subsidies	315703000	364177314
Fees/Subscriptions	2436992	2099053
Income from Investment (Income on Invest. From earmarked funds transferred to Funds)	6341264	539649
Income from Royalty, Publication etc		
Interest Earned	5873502	4387809
Other Income	3843923	3881108
Increase/(decrease) in stock of Finished goods an works-in-progress		
Total..(A)	334272873	375095921
EXPENDITURE		
Establishment Expenses	347086119	312035599
Other Administrative Expenses	9508839	11526933
Expenditure on Grants, subsidies etc.		
Interest		
Depreciation (Net Total at the year-end-corresponding to Schedule)	2041072	2176742
Total..(B)	358636030	325739274
Balance being excess of Income over Expenditure (A-B)	-24363157	49356647
Transfer to Special Reserve (Specify each)	978172	1004621
Transfer to/ from General Reserve/Corpus Fund	-25341329	48352026
BALANCE BEING SURPLUS/(DEFICIT) CARRIED TO CORPUS/CAPITAL FUND		

Contd.

Contd.

Income-Expenditure (in Rs.) Statement of the College for the financial year 2012-13		
	Current year	Prev. year
INCOME		
Income from Sales/ Services	10988	61941
Grant/ Subsidies	364177314	272883000
Fees/Subscriptions	2099053	2058614
Income from Investment (Income on Invest. From earmarked funds transferred to Funds)	539649	788696
Income from Royalty, Publication etc	0	0
Interest Earned	4387809	5153342
Other Income	3881108	3209316
Increase/(decrease) in stock of Finished goods an works-in-progress	0	0
Total..(A)	375095921	284154909
EXPENDITURE		
Establishment Expenses	312035599	274558998
Other Administrative Expenses	11526933	15638788
Expenditure on Grants, subsidies etc.	0	0
Interest	0	0
Depreciation (Net Total at the year-end-corresponding to Schedule8)	2176742	2080002
Total..(B)	325739274	292277788
Balance being excess of Income over Expenditure (A-B)	49356647	-8122879
Transfer to Special Reserve (Specify each)	1004621	1185329
Transfer to/ from General Reserve/Corpus Fund	48352026	-9308208
BALANCE BEING SURPLUS/(DEFICIT) CARRIED TO CORPUS/CAPITAL FUND		

Contd.

Contd.

Income-Expenditure (in Rs.) Statement of the College for the financial year 2011-12		
	Current year	Prev. year
INCOME		
Income from Sales/ Services	61941	70204
Grant/ Subsidies	272883000	314364798
Fees/Subscriptions	2058614	1774303
Income from Investment (Income on Invest. From earmarked funds transferred to Funds)	788696	0
Income from Royalty, Publication etc	0	0
Interest Earned	5153342	2186931
Other Income	3209316	1940044
Increase/(decrease) in stock of Finished goods an works-in-progress	0	0
Total..(A)	284154909	320336280
EXPENDITURE		
Establishment Expenses	274558998	268247301
Other Administrative Expenses	15638788	9810192
Expenditure on Grants, subsidies etc.	0	0
Interest	0	0
Depreciation (Net Total at the year-end-corresponding to Schedule8)	2080002	1990488
Total..(B)	292277788	280047981
Balance being excess of Income over Expenditure (A-B)	-8122879	40288299
Transfer to Special Reserve (Specify each)	1185329	470460
Transfer to/ from General Reserve/Corpus Fund	-9308208	39817839
BALANCE BEING SURPLUS/(DEFICIT) CARRIED TO CORPUS/CAPITAL FUND		

End of table.

End of Self Study Report

-0-