

SELF STUDY REPORT

2015

Submitted to

The National Assessment & Accreditation Council

Submitted by

ATMA RAM SANATAN DHARMA COLLEGE
University of Delhi
Dhaura Kuan, New Delhi - 110021



Est. 1959

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PREFACE

It is with great pride and pleasure that Atma Ram Sanatan Dharma College submits its Self Study Report (SSR) for the consideration of the National Assessment and Accreditation Council (NAAC). A co-educational Constituent College of the University of Delhi, ARSD College was established in 1959 by the Sanatan Dharma Sabha of Rawalpindi (re-registered at Delhi in 1952). Composed mainly of philanthropists from the pre-partition Rawalpindi Division, the Sabha—in a new avatar—sought to re-establish its old charitable network in Delhi. Ravaged, yet undaunted by the partition, they imparted to this institution the spirit to endure and forge ahead, regardless of circumstances.

As India embarked on the path of nation building, this College also made its humble contribution towards that pursuit. Particularly in the last five years, the College has gone from strength to strength, developing existing facilities to maximize their potential and keep pace with rapid shifts in higher education. The College now has a **Wi-Fi enabled campus** and a largely digitalized library, and is keen to implement more **learner-centric pedagogic processes**. The results of a student-centric approach with a strong focus on service and commitment may be discerned in the achievements of ARSD College alumni in various fields—academics, administration, politics, media, law, commerce, and sports.

In terms of infrastructure, the last two years have witnessed the refurbishment of the seminar hall, the construction of an atrium, and the re-construction of the front gate as well as the landscaping of the front lawn. A second floor is being added to the building and work towards a mini auditorium is underway.

The College is evolving into an excellent centre for research, with many successfully completed and ongoing **innovation projects** funded by the University of Delhi. The University has just approved a sum of **Rs. 1.95 crore for 7 innovation projects** under its **Star Innovation Project Scheme**. ARSD College is also the recipient of **Star College** status awarded by the Department of Biotechnology (DBT) of the Government of India (GOI), attesting to the high quality of work being undertaken on the campus. Apart from imparting quality classical education, College is endowing our students with the professional and vocational skills necessary to succeed in the global job market. In the pipeline is a **Business Incubation Centre** (one of the first of its kind in the University) in collaboration with the Ministry of Micro, Small, and Medium Enterprises (M/oMSME) that will impart entrepreneurial skill among our students and create an ecosystem where they function as active creators of opportunities rather than mere beneficiaries. Additionally, a local chapter of the University's **Skill Development Centre**, under the auspices of the National Skill Development Corporation (NSDC), is also being set up. Once established, it will provide a practical aspect to the theoretical frameworks students are familiar with, and prove a valuable adjunct to their undergraduate education. Moreover, the College looks forward to expand the scope of its research activities and deepen the focus on faculty and student development programmes. ARSD hopes to forge national and international alliances and participate in exchange programmes for teachers as well as pupils. In addition,

the College is working on introducing more add-on courses, short-term certificate courses, as well as vocational training programmes. Further expansion of infrastructural facilities has also been planned in order to accommodate more laboratories, research nooks, and reading spaces. In order to enhance mobility across streams and stimulate an interdisciplinary approach, conversations across texts and domains will be encouraged too. The College also envisages constructing a **Student Activity Centre**, geared specifically to meet the requirements of the student body.

The above-mentioned initiatives are indicative of a larger desire to join the global community of vibrant institutions, promoting organic growth and development. To this end, our **Equal Opportunity Cell** seeks to address the concerns of students with special needs. With the construction of ramps, washrooms, and other essential facilities, the campus has become more attuned to the requirements of the **differently-abled**. Initiatives have been taken towards introducing eco-friendly waste disposal systems, in addition to setting up a herbal garden and creating dedicated green zones. With a vision of inclusive, quality education, the College thus strives to achieve the goal enshrined in its motto, *Tejasvi-naav-adhitam-astu*, i.e., *may our learning be endowed with radiance*.

CAMPUS MAP



A BRIEF HISTORICAL ACCOUNT

Sanatan Dharma College (rechristened **Atma Ram Sanatan Dharma College in May, 1968**), a co-educational Constituent College of the University of Delhi, was **founded in August 1959 by Shri Sanatan Dharma Sabha (Rawalpindi), registered at Delhi**. Originally founded in 1882 at Rawalpindi, Shri Sanatan Dharma Sabha had been the premier organization of the Sanatanist Hindus that for over six decades had catered to the various needs of the community in the Rawalpindi Division of pre-partition Punjab and had successfully run a degree College, a high school, two middle schools and four primary schools there. After partition, many of its members settled in Delhi and having found their feet again, got the Sanatan Dharma Sabha registered in 1952 at Delhi. Old patrons like Shri Lala Devi Ditta Shah Talwar, Shri Goswami Ganesh Dutt Ji Maharaj, Shri Mela Ram Jaggi, Shri Ganga Ram Gujral and many other philanthropists joined hands and began to raise funds towards realizing their dream of locally rehabilitating their efficiently run institutions left behind in Pakistan. In order to cater to the pressing demand of the residents of Delhi for educational facilities, the Sabha, as a first step, established a middle school in 1957 in Subzi Mandi area.

On 12 July 1959, permission arrived to open a College as a Constituent College of the University of Delhi in a rented building at Anand Parbat area. Shri F.C. Mehra took charge as the Chairman of the Governing Body and Dr. R.N. Rai, a reputed physicist, became the first Principal of the College. On 3rd August the grand inaugural ceremony of the College was performed under the Chairmanship of the then Speaker of Lok Sabha, Hon'ble M.A. Ayyangar, the Chief Commissioner of Delhi, Shri A.D. Pandit, and the Hon'ble Vice Chancellor, Prof. V.K.R.V. Rao, who declared the College open.

Since until 1959—in terms of having higher co-educational facilities—an area as vast as South Delhi had only a couple of Colleges like Deshbandhu, a commanding site spanning 12.31 acres of land at Dhaula Kuan was acquired from the government at a cost of Rs. 87,000 and on 6th December, foundation stone of the new building was laid by Pandit Govind Ballabh Pant. To keep up the traditions of Sanatan Dharma culture, earth brought from old institutions at Rawalpindi was poured over the current site.

Since its very inception, in addition to the pursuit of academic and professional excellence, the Sanatan Dharma College put emphasis on character-building and idealism informed by Sanatani values. In a show of commitment, the inaugural issue of College magazine *Udyachal* was published with sections in Sanskrit, Hindi and English within four months of the founding of the College. A proof of College's sensitivity towards students from economically weaker sections can be gauged from facts such as the provision for a book-bank facility for loaning books to needy students for an entire year, from the very first year of its existence. In the second year of College's functioning, an Honours course in Hindi was started and another new course Hindi (Elective) was launched. Permission was also received for starting Honours courses in English, Maths and Economics (eventually started in 1962) and also a B.Sc. course, consequent upon the commissioning of the new building housing laboratories. NCC was started in the same year and a Student Parliament was inaugurated by the Hon'ble Member of Parliament,

Dr. Raghu Vira. College's commitment towards promoting women's education can be gleaned from the fact that as early as the second batch, there were 34 female students in an overall strength of 307 students. The seeds of College's later popularity with foreign students were sown quite early as the College already had 4 students from Thailand as early as 1960. This College was also one of the first few Colleges of the University to have started completely free and thorough physio-medical check-up of all its students. In 1962, Shri B.N. Paruthi took over as the Principal.

After operating out of its temporary campus at Anand Parbat for over five years, the College in July 1965 shifted to its current sprawling campus on the main Ring Road at Dhaula Kuan. In March 1966, Shri C.L. Suri, Head of the Department of Political Science Department of Kirori Mal College, took over as the Principal. In a significant development in May 1968, in consideration of Shri Atma Ram Chadha having agreed to render direct financial assistance to bail out the College of its financial crisis, Shri Sanatan Dharma Sabha agreed to change the existing name of the College from Sanatan Dharma College to Atma Ram Sanatan Dharma College, New Delhi. On 27 May, Shri Atma Ram Chadha was elected as the Chairman of the Governing Body.

Elections to the first Students' Union were held in 1968, which was inaugurated by Shri I.K. Gujral. In January 1969, a Constituent Assembly was elected to draft a permanent Constitution, which was adopted w.e.f. 1969-70 session. The year after, notable developments included launch of the College wall magazine *Atma Darpan* and also inauguration of the College Mountaineering Association. 1971 onwards, the South Campus Evening Law Centre of the University of Delhi, i.e., the Law Centre II, began to share ARSD College's building and grounds, resulting in optimal use of infrastructure. Dr. Rajkumar Kaushik of the Department of English of Delhi College took over as the Principal of the College upon Shri C.L. Suri's retirement in February 1975.

Shri Atma Ram Chadha held the post of Governing Body Chairman until his death in 1987, upon which his son Shri C.M. Chadha became the Chairman. Dr. B.L. Arora was made Permanent Principal in 2001 and served for 6 years in this capacity. The current Principal, Dr. Gyantosh Kumar Jha (of the Department of Hindi of College) took charge in November 2013.

The College's exponential growth—both infrastructural and of human resources—can be determined from facts such as how a College which had started its journey with just 18 teachers now has close to 190 of them. In the last 55-odd years, the number of students has gone up about thirteen times. Likewise, the College Library which had a mere 3,800 books to begin with and subscribed to just 4 newspapers and 13 weekly and monthly journals, now boasts of close to 1.1 lakh books and subscribes to 46 journals, 19 newspapers and 29 magazines, in addition to online subscription of many journals as part of the N-LIST programme.

The College has always been alive to happenings in its immediate surroundings and beyond, making some pioneering efforts along its journey. From taking a strong anti-ragging position and organizing anti-dowry rallies and plantation drives to having an active Junior Red Cross Wing and help

improve the lot of the destitute as part of the NSS, ARSD College has never shied away from its social commitment. In the event of a massive influx of Bangladeshi refugees in 1971, the students and teachers of this College were in the vanguard of relief operations at places like the Chakrabhata camp in Bilaspur (then Madhya Pradesh) and Bongaon camp in West Bengal, with four students actually having spent time with Muktiwahini fighters in the then East Pakistan and one student having visited Dhaka the year after. Substantial individual and collective material and other kinds of contributions have always been made at the time of national calamities.

In 2008, the College got a Placement Cell as well as an Equal Opportunity Cell. Having celebrated its Golden Jubilee in 2009, the College started the practice of holding its annual Alumni Meet, which has since become a major event. The addition of a separate Commerce Department block in 2010 went a long way towards easing the pressure on infrastructure. Other than the Women Development Cell, Internal Complaints Committee, and Eco Club, the College has many other vibrant societies and departmental associations. With its picturesque campus, ARSD College is an outstanding institution with a highly qualified teaching staff and efficient non-teaching staff. Both students and teachers going out of this College have carved a niche in various walks of our national life.

Thanks to unwavering support from the current College Governing Body helmed by Chairman Shri Pawan Jaggi, the College, particularly in past couple of years, has been able to fast-track and successfully complete a lot of curricular, extra-curricular and infrastructural projects. The Seminar room has got a makeover and the Popular Lecture Series has gone international. The entire ground and first floor are being retrofitted and earthquake-proofed. In addition, an atrium, the new second floor with 3 science laboratories, a research laboratory and 14 classrooms, one conference hall and a mini-auditorium with a seating capacity of 350-400 students are going to be inaugurated very soon. The College has been selected as a **STAR COLLEGE** under the scheme launched by the Department of Biotechnology (Government of India) and has been sanctioned **Star Innovation Project Grant** by the University of Delhi. The Dramatic society of the College *Rangayan* has recently become possibly the first such society of the University to organize a three-day theatre festival titled “*Rangshirsh Jaidev Natya Samaroh*”. An active North-east Students’ Welfare Committee has likewise blazed a trail in organizing a day-long North-east festival, *Rainbow Fest*.

The motto of the College, *Tejasvi-naav-adhitam-astu*, has been taken from *Taittiriya Upanishad* and means **May our learning be endowed with radiance**. The College takes pride in its past achievements and looks to the future with great hope and determination. As a re-affirmation of resolve, it would not be out of place to quote from the very first issue of College Magazine *Udyachal* “Sanatan here does not signify strict adherence to the past, conservative or orthodox attitude to life or religion. Sanatan Dharma is ever-growing and embracing new ideas without disregard to eternal values, pursuit of knowledge and duty-consciousness. A true Sanatanist respects tradition, pursues knowledge with utmost sincerity and integrity of purpose...feeling for fellow-men, facing the problems of life cheerfully and courageously...is a true sportsman and knows his duties in the field of life.”

A TIMELINE

1882-1946	Shri Sanatan Dharma Sabha is founded in 1882 at Rawalpindi. Among numerous other activities, it successfully runs a degree college, a high school, two middle schools and four primary schools.
1947-52	After partition, many members of the Sabha settle in Delhi. In 1952, the Sabha gets registered at Delhi and associated philanthropists begin working towards locally rehabilitating their most efficiently run institutions left behind in Pakistan.
1958	Sabha conceives the idea of reopening their degree college of Rawalpindi at Delhi.
1959	On 12 th of July, the Hon'ble Vice Chancellor Prof. V.K.R.V. Rao, grants permission to open a College as a Constituent College of the University of Delhi in a rented building at Anand Parbat area. Shri F.C. Mehra takes charge as the Chairman of the College Governing Body and Dr. R.N. Rai, a reputed physicist, becomes the first Principal. On August 3 rd , Sanatan Dharma College is inaugurated. On 6 th of December, foundation stone of the new building is laid by Pandit G.B. Pant.
1960-61	Honours course in Hindi is started and another new course Hindi (Elective) is launched. Permission is received for starting Honours courses in English, Maths and Economics and also B.Sc. NCC is started and 3 scholarships are started for meritorious students from poor background.
1962-64	Shri B.N. Paruthi takes over as the Principal. Department of Health, Physical Education, Games and Sports comes into existence and a regularly constituted Sports Board of the College is established.
1965	In July—after operating out of its temporary campus at Anand Parbat for over five years—the College shifts to its current campus at Dhaula Kuan, with which annual athletic meet finally begins to be held inside College premises.
1966	In March, Shri C.L. Suri, the Head of the Department of Political Science of Kirori Mal College, takes over as the Principal.
1968	In May, Shri Sanatan Dharma Sabha, agrees to change the existing name of the College from Sanatan Dharma College to Atma Ram Sanatan Dharma College, New Delhi and on 27 th of May, Shri Atma Ram Chadha is elected as the Chairman of the College Governing Body. In September, Mool Chand Sharma becomes the President of first Students' Union, inaugurated by Shri I.K. Gujral.

1969	Honours course in History is introduced.
1970	Hon'ble Member of Parliament, Chandra Shekhar inaugurates the Students' Union. Inauguration of College Mountaineering Association. Constitution of College Sports Board changed to now include in addition to four captains of major games, one girls' and one Students' Union representative.
1971-72	Law Centre II begins to share much of ARSD College's building and grounds. In the wake of a massive influx of Bangladeshi refugees, students and teachers of this College join relief operations at various places. As part of a small DU team that went in 1972 to Dhaka, Vinod Bhatia represents ARSD College. <i>Udyachal</i> Dramatic Club is founded.
1973	College staff cricket team under the leadership of Vimal Dhawan wins first inter-college staff cricket tournament of the University.
1974	Wrestler Jagminder represents country at 7 th Asiad games at Tehran. Bengali Cultural Society is founded.
1975	Principal C.L. Suri retires in February. In July, Dr. Rajkumar Kaushik of the Dept. of English, Delhi College, takes over as the Principal. Shri Shankar Dayal Sharma and Shri P.V. Narsimha Rao come to inaugurate the new Students' Union and deliver a lecture respectively. NSS gets a student Executive Body.
1976	First Lady Begum Abida Ahmed inaugurates the Students' Union. In pursuance of the Prime Minister's 20-point economic programme, vocational guidance and training scheme is launched by Principal Kaushik. Formation of a Junior Red Cross wing in the College.
1977	The College gets a Seminar Room and a DTC concession pass counter. Play <i>Chandramukhi</i> is staged at Sri Ram Centre to raise funds for cyclone hit people of the South; NSS raises an additional Rs. 1,500 and 160 units of blood.
1983-85	Recipient of Young Chemist Award, Dr. Ashok Kumar Bakhshi of the Department of Chemistry is selected as a member of the 3rd Indian expedition to Antarctica. In 1984, the Students' Union gets its first elected female member. Acknowledging their tireless service in various relief camps during anti-Sikh violence, Delhi administration gives cash incentive to 2 students of the College. University also selects 3 students for Best Volunteership Award.
1987	Chairman, College Governing Body, Shri Atma Ram Chadha passes away. His biography by Promila Mehra <i>Fault is Mine</i> is published. Shri C.M. Chadha is the new Chairman.

1991	Dr. B.L. Arora, a Ph.D. in Physics from Georgia University, USA, takes over as the (Officiating) Principal and continues until 2001 in the same position. Dr. Jagdish Bharadwaj ‘Samrat’ Memorial Lecture and Dr. Kaushlesh Bharadwaj Memorial Lecture get started.
1992-93	Three-day cultural festival <i>Tide</i> is held in College premises for the first time. The College gets a permanent stage and a sports complex is inaugurated by the Governing Body Chairman, Shri C.M. Chadha.
1993-94	A record 503 students enrol for NSS. Staff Council introduces home exam system.
1994-95	Home exam is made compulsory. Cultural Society starts a new wing of foreign students of the College.
1996	College gets a United Nations Students’ Association. MA courses in Hindi, English and Political Science get started.
1997	Hindi Academy gives a special prize to College magazine. Computer Science course is started.
1999	Library gets a facelift and computer service is inaugurated. College website is inaugurated too.
2001-02	Dr. B.L. Arora takes over as the Permanent Principal.
2002-3	Alumnus Rajesh Chugh becomes the first Asian Senator in New Jersey, USA. As the only amateur selected by Indian Mountaineering Association, SUO Meena Rai, successfully climbs the 22,000 ft. Sudarshan Peak and also gets selected for Indo-Nepal girls’ expedition to Mt. Everest.
2003-04	Founders’ Day is celebrated for the first time. Dramatics Society <i>Rangayan</i> is founded.
2005-06	<i>Rangayan</i> gets an independent existence. Biology laboratory is inaugurated.
2006-07	College organizes an inter-college street play competition for the first time.
2007-08	Girls occupy the posts of vice-president, secretary and joint-secretary in the Students’ Union. In December 2007, long-serving Principal, Dr. B.L. Arora retires. In 2008, Placement Cell and Equal Opportunity Cell are started.
2009	College celebrates its Golden Jubilee and also holds its first annual Alumni Meet.

2010	Addition of a separate Commerce Department block.
2012	College website gets an upgrade. Major plans afoot to streamline stalled projects and take up new ones.
2013	In March, alumnus of SRCC Shri Pawan Jaggi takes over as the College Governing Body Chairman and in November, Dr. Gyantosh Kumar Jha of the Department of Hindi of the College, joins his duties as the Permanent Principal.
2014-15	The College is awarded Star College status (DBT, GOI). The University of Delhi sanctions a grant of Rs. 1.95 crore under its Star Innovation Project Scheme . College fast-tracks its Mega Infrastructural Expansion Plan . Alumnus Rajkummar Rao is awarded the National Film Award for Best Actor for his lead role in the biopic <i>Shahid</i> . The Dramatics society of the College, <i>Rangayan</i> becomes perhaps the first in the University to organize a three-day theatre festival.

FACULTY AND STAFF

Principal

Dr. Gyantosh Kr. Jha

Bursar

Dr. V.K Arora

Public Information Officer

Ajeet Kumar

A. List of Teaching Staff: Permanent

1. Department of Botany

S.No.	Name of Teacher	Qualification	Designation
1.	Vibha Narang	M.Sc., M.Phil., Ph.D.	Associate Professor

2. Department of Chemistry

S.No.	Name of Teacher	Qualification	Designation
1.	Raj Kumar Gautam	M.Sc., Ph.D.	Associate Professor
2.	Kavita Bhatia	M.Sc., Ph.D.	Associate Professor
3.	Jaya Tomar	M.Sc., Ph.D.	Associate Professor
4.	Sunita Bhagat	M.Sc., Ph.D.	Associate Professor
5.	Suman Dudeja	M.Sc., Ph.D.	Associate Professor
6.	N.P. Singh	M.Sc.	Assistant Professor
7.	Anju Gulati	M.Sc., Ph.D.	Assistant Professor
8.	Prashant Singh	M.Sc., Ph.D.	Assistant Professor

S.No.	Name of Teacher	Qualification	Designation
9.	Sunita Bansal	M.Sc., Ph.D.	Assistant Professor
10.	Rajeev Singh	M.Sc., Ph.D.	Assistant Professor
11.	Neeta Azad	M.Sc., Ph.D.	Assistant Professor

3. Department of Commerce

S.No.	Name of Teacher	Qualification	Designation
1.	S. K. Grover	M.Com.	Associate Professor
2.	Vinod Kumar Jain	M.Com. M.Phil.	Associate Professor
3.	V.K. Arora	M.Com. Ph.D.	Associate Professor
4.	Naresh Dhawan	M.Com., M.Phil.	Associate Professor
5.	Sandeep	M.Com., M.Phil., Ph.D.	Assistant Professor
6.	Uma Sanjay Singh	M.Com., M.Phil., Ph.D.	Assistant Professor
7.	Anjali Gupta	M.Com., M.Phil., Ph.D.	Assistant Professor
8.	Nidhi Bansal	M.Com., M.Phil.	Assistant Professor
9.	Manika Jain	M.Com., M.Phil.	Assistant Professor
10.	Anamika Kadam	M.Com.	Assistant Professor
11.	Kokila Negi	M.Com., M.Phil.	Assistant Professor
12.	Indu Sigh	M.Com., M.Phil.	Assistant Professor

4. Department of Computer Science

S.No.	Name of Teacher	Qualification	Designation
1.	V. S. Dixit	MCA, Ph.D.	Assistant Professor

5. Department of Economics

S.No.	Name of Teacher	Qualification	Designation
1.	Savitri Sidana	M.A., M.Phil.	Associate Professor
2.	Manju Pande	M.A., M.Phil.	Associate Professor
3.	Ranjan Swarankar	M.A.	Assistant Professor
4.	Richa Suri Rastogi	M.A., M.Phil.	Assistant Professor

6. Department of Electronics

S.No.	Name of Teacher	Qualification	Designation
1.	Jyotika Jogi	M.Sc., M.Phil. Ph.D.	Associate Professor
2.	Anju Rustagi	M.Sc., M.Phil.	Associate Professor
3.	Meena Dadu	M.Sc., Ph.D.	Associate Professor
4.	Saruchi Tandon-	M.Sc., M.Phil.	Associate Professor

7. Department of English

S.No.	Name of Teacher	Qualification	Designation
1.	Manjula Sholapurkar	M.A., M.Phil.	Associate Professor
2.	Gurvandana R.M. Singh	M.A., M.Phil.	Associate Professor
3.	Mousumi Ray	M.A., M.Phil.	Assistant Professor
4.	Konika Kwatra	M.A., M.Phil.	Assistant Professor
5.	Shibani Phukan	M.A., M.Phil.	Assistant Professor
6.	Achingliu Kamei	M.A., Ph.D.	Assistant Professor
7.	Gautam Choubey	M.A.	Assistant Professor
8.	Shubha Dwivedi	M.A., Ph.D.	Assistant Professor

S.No.	Name of Teacher	Qualification	Designation
9.	Maitrayee Roychoudhury	M.A., M.Phil	Assistant Professor
10.	Rosy Sinha	M.A., Ph.D.	Assistant Professor
11.	Prerna Sinha	Ph.D.	Assistant Professor
12.	Jyothsnaphanija Bolla	M.A., Ph.D.	Assistant Professor
13.	Priyanka Kulhari	M.A., Ph.D.	Assistant Professor

8. Department of Hindi

S.No.	Name of Teacher	Qualification	Designation
1.	Gyantosh Kumar Jha	M.A., Ph.D.	Principal
2.	Rashmi Bahl	M.A., Ph.D.	Associate Professor
3.	Asha Pandey	M.A., M.Phil., Ph.D.	Associate Professor
4.	Jaspali Chauhan	M.A., Ph.D.	Associate Professor
5.	Renu Bala	M.A., Ph.D.	Associate Professor
6.	Sanjay Singh Baghel	M.A., Ph.D.	Assistant Professor
7.	Rajesh Chand Adarsh	M.A., Ph.D.	Assistant Professor

9. Department of History

S.No.	Name of Teacher	Qualification	Designation
1.	V. M. Jha	M.A., M.Phil., Ph.D.	Associate Professor
2.	Brahmanand	M.A., M.Phil., Ph.D.	Associate Professor
3.	Renu Bahuguna	M.A., M.Phil.	Associate Professor
4.	Ajitha Kakumanu	M.A., M.Phil.	Assistant Professor
5.	Ajeet Kumar	M.A., M.Phil.	Assistant Professor
6.	Deepankar	M.A., M.Phil.	Assistant Professor

S.No.	Name of Teacher	Qualification	Designation
7.	Priyam Barooah	M.A., Ph.D.	Assistant Professor
8.	Mihir Kumar Jha	M.A., M.Phil.	Assistant Professor
9.	Syed Mubin Zehra	M.A., M.Phil., Ph.D.	Assistant Professor
10.	Vijjika Pandey Singh	M.A.	Assistant Professor

10. Department of Mathematics

S.No.	Name of Teacher	Qualification	Designation
1.	Shanti Pahwa	M.A., M.Phil.	Associate Professor
2.	A. S. Prajapati	M.Sc., M.Phil.	Associate Professor
3.	Monica Suri	M.A., Ph.D.	Associate Professor
4.	B.K. Tyagi	M.Sc., M.Phil., Ph.D.	Associate Professor
5.	Pratibha Mehrotra	M.Sc., Ph.D.	Associate Professor
6.	Jyoti Kaushik	M.Sc., M.Phil.	Assistant Professor
7.	Shilpi Jain	M.A., M.Phil.	Assistant Professor
8.	Preeti Jain	M.Sc., Ph.D.	Assistant Professor
9.	Amit Mittal	M.Sc., Ph.D.	Assistant Professor
10.	Agam Dwivedi	M.Sc.	Assistant Professor
11.	Kanika Sharma	M.Phil.	Assistant Professor
12.	Raj Kumar Bhagat	M. Sc.	Assistant Professor
13.	Priyanka Yadav	M.Phil.	Assistant Professor
14.	Kapil Kumar	M.Sc., M.Phil.	Assistant Professor
15.	Anil Kumar Rajak	M.Sc.	Assistant Professor
16.	Ashutosh Meena	M.Sc.	Assistant Professor

11. Department of Physics

S.No.	Name of Teacher	Qualification	Designation
1.	Pinky Dureja	M.Sc., Ph.D.	Associate Professor
2.	Nutan Mishra	M.Sc., Ph.D.	Associate Professor
3.	Geeta Sanon	M.Sc., Ph.D.	Associate Professor
4.	A.B. Bhattacharjee	M.Sc., Ph.D.	Associate Professor
5.	Vinita Tuli	M.Sc., Ph.D.	Assistant Professor
6.	Bajrang Lal Prashant	M.Sc.	Assistant Professor
7.	Pravata Kr. Behera	M.Sc., M.Phil.	Assistant Professor
8.	Rajveer Singh	M.Sc.	Assistant Professor

12. Department of Political Science

S.No..	Name of Teacher	Qualification	Designation
1.	K.K. Anand	M.A., M.Phil.	Associate Professor
2.	S.C. Jha	M.A., M.Phil.	Associate Professor
3.	I.M. Jha	M.A., M.Phil., Ph.D.	Associate Professor
4.	Anamika Prasad	M.A., M.Phil., Ph.D.	Assistant Professor
5.	Aggya Pandya	M.A., M.Phil.	Assistant Professor
6.	Charu Mathur	M.A., Ph.D.	Assistant Professor
7.	S. N. Dubey	M.A., M.Phil.	Assistant Professor
8.	Amit Singh	M.A., M.Phil., Ph.D.	Assistant Professor
9.	Bhav Nath Jha	M.A., M.Phil.	Assistant Professor
10.	Indrajeet Kumar Jha	M.A., M.Phil., Ph.D.	Assistant Professor
11.	Sumit Prasher	M.A., M.Phil., Ph.D.	Assistant Professor
12.	Prem Chand	M.A., M.Phil., Ph.D.	Assistant Professor
13.	Renu Keer	M.A., M.Phil.	Assistant Professor
14.	Vikas Kumar	M.A., M.Phil.	Assistant Professor
15.	Surendra Singh	M.A., Ph.D.	Assistant Professor
16.	Dharmendra Kumar Neeraj	M.A.	Assistant Professor

13. Department of Sanskrit

S.No.	Name of Teacher	Qualification	Designation
1.	A. Sudha Devi	M.A., M.Phil., Ph.D.	Associate Professor

14. Department of Zoology

S.No.	Name of Teacher	Qualification	Designation
1.	Swati Majumdar	M.Sc., Ph.D.	Associate Professor

15. Department of Sports

S.No.	Name of Teacher	Qualification	Designation
1.	K.K. Sharma	Ph.D.	Associate Professor

B. List of Teaching staff: Ad hoc Teachers:

1. Department of Botany

S.No.	Name of Teacher	Qualification	Designation
1.	Anita Singh	M.Sc., Ph.D.	Assistant Professor

2. Department of Chemistry

S.No.	Name of Teacher	Qualification	Designation
1.	Meenakshi Gupta	M.Sc., Ph.D.	Assistant Professor
2.	Bachan Meena	M.Sc.	Assistant Professor
3.	Jaspreet Kaur	M.Sc., Ph.D.	Assistant Professor
4.	Subash Chand Mohapatra	M.Sc., Ph.D.	Assistant Professor

S.No.	Name of Teacher	Qualification	Designation
5.	Mukesh Kumar Bhimwal	M.Sc., Ph.D.	Assistant Professor
6.	Snehlata	M.Sc., Ph.D.	Assistant Professor
7.	Bhaskar Nand Pant	M.Sc., Ph.D.	Assistant Professor
8.	Sangeeta Aggarwal	M.Sc., Ph.D.	Assistant Professor
9.	Ramswaroop Maharia	M.Sc., Ph.D.	Assistant Professor
10.	Vishnu Kumawat	M.Sc.	Assistant Professor
11.	Jagveer Singh	M.Sc., Ph.D.	Assistant Professor
12.	Radha Raman Maurya	M.Sc., Ph.D.	Assistant Professor
13.	Sunita	M.Sc., Ph.D.	Assistant Professor
14.	Akhilesh Kr. Azad	M.Sc.	Assistant Professor

3. Department of Commerce

S.No.	Name of Teacher	Qualification	Designation
1.	Geetanjali Batra	M.Com., M.Phil.	Assistant Professor
2.	Anu Priya Arora	M.Com., M.Phil.	Assistant Professor
3.	Baljeet Kaur	M.Com., M.Phil.	Assistant Professor
4.	Ruchika Kaura	M.Com., M.Phil.	Assistant Professor
5.	Renu Aggarwal	M.Com., Ph.D.	Assistant Professor
6.	Parminder Kaur	M.Com.	Assistant Professor
7.	Mohd. Rehan Alam	M.Com.	Assistant Professor
8.	Ramveer	M.Com.	Assistant Professor
9.	Hungyo Yurreikan	M.I.B., M.Phil.	Assistant Professor

4. Department of Computer Science

S.No.	Name of Teacher	Qualification	Designation
1.	Shalini Gupta	MCA, M.Phil.	Assistant Professor
2.	Parul Jain	M.Com, M.Phil.	Assistant Professor
3.	Dharmendra Singh	MCA,	Assistant Professor
4.	Uma Ojha	M.Sc. (IT), M.Phil. (CS)	Assistant Professor
5.	Archana Gahlaut	MCA, M.Phil.	Assistant Professor
6.	Manuj Aggarwal	M. Tech	Assistant Professor
7.	Richa Kaushal	MCA	Assistant Professor
8.	Manvendra Yadav	MCA	Assistant Professor

5. Department of Economics

S.No.	Name of Teacher	Qualification	Designation
1.	Jai Prakash Garg	M.A., M.B.A., Ph.D	Assistant Professor
2.	Shweta Nanda	M.A.	Assistant Professor
3.	Pragya Atri	M. Phil.	Assistant Professor
4.	Ravish	M.A., M.Phil	Assistant Professor
5.	Saraswati Yadav	M.A., M.Phil	Assistant Professor
6.	Bal Krishan	M.A., M.Phil	Assistant Professor
7.	Bibekananda Suna	M.A., M.Phil	Assistant Professor
8.	Manzoor Alam	M.A., Ph.D.	Assistant Professor
9.	Ram Gopal Sepat	M. A.	Assistant Professor
10.	Appala Naidu Dhubireddi	M.A., Ph.D.	Assistant Professor
11.	Rakesh Kumar	M.A.	Assistant Professor

6. Department of Electronics

S.No.	Name of Teacher	Qualification	Designation
1.	Puneet Sehgal	M.Sc.	Assistant Professor
2.	Ritu Bansal	M.Sc.	Assistant Professor
3.	Nisha Jha	M.Sc., Ph.D.	Assistant Professor
4.	Arun Kumar	M.Sc.	Assistant Professor

7. Department of Hindi

S.No.	Name of Teacher	Qualification	Designation
1.	Ram Ratan Prasad	M.A., Ph.D.	Assistant Professor
2.	Arvind Kumar Mishra	M.A., Ph.D.	Assistant Professor
3.	Anil Kumar	M.A., Ph.D.	Assistant Professor
4.	Geeta Devi	M.A., M.Phil.	Assistant Professor
5.	Santosh Kumar Dubey	M.A., Ph.D.	Assistant Professor
6.	Vijay Narayan Mani	M.A., M.Phil.	Assistant Professor
7.	Rubi Devi	M.Phil. Ph. D.	Assistant Professor

8. Department of Physics

S.No.	Name of Teacher	Qualification	Designation
1.	Pankaj Narang	M.Sc., Ph.D.	Assistant Professor
2.	Ratna Dubey	M.Sc.	Assistant Professor
3.	Manorama Jain	M.Sc.	Assistant Professor
4.	Devendar Kr. Rana	M.Sc., Ph.D.	Assistant Professor
5.	Rakesh Malik	M.Sc., Ph.D.	Assistant Professor

S.No.	Name of Teacher	Qualification	Designation
6.	Pooja Singh	M.Sc.	Assistant Professor
7.	Anand Kr. Chakraborty	M.Sc.	Assistant Professor
8.	Swati	M.Sc.	Assistant Professor
9.	Hawa Singh	M.Sc.	Assistant Professor
10.	Richa Jain	M.Sc.	Assistant Professor
11.	Anju Rani	M.Sc.	Assistant Professor
12.	Manish Kumar	M.Sc.	Assistant Professor
13.	Rita Singh	M.Sc., Ph.D.	Assistant Professor
14.	Lalit Kumar	M.Sc.	Assistant Professor
15.	Gajender Singh	M.Sc.	Assistant Professor
16.	S. Shankar Subramanian	M.Sc.	Assistant Professor
17.	Avanish Pratap Singh	Ph.D.	Assistant Professor
18.	Arvind Kumar	M.Sc.	Assistant Professor
19.	Veeresh Kumar	M.Sc.	Assistant Professor
20.	Sandeep Kumar	M.Sc., Ph.D.	Assistant Professor
21.	Raju Ram Meena	M.Sc.	Assistant Professor

9. Department of Zoology

S. No.	Name of Teacher	Qualification	Designation
1.	Kanchan Srivastava	M.Sc., Ph.D.	Assistant Professor

A. List of Non- Teaching Staff (Administrative staff)

S. No.	Name of Staff	Designation
1.	V.K. Mishra	A.O.
2.	Brij Lal	Section Officer
3.	Aruna Kumar	Sr. P.A.
4.	Rajesh Makkar	Sr. Assistant
5.	Kusum Dhyani	Sr. Assistant
6.	Sunil Lingwal	Assistant
7.	Vijender	Care-taker
8.	Rajesh Kumar	Junior Assistant
9.	Basakhu Ram	Junior Assistant
10.	Deepak Kumar	Junior Assistant
11.	Om Prakash	Junior Assistant
12.	Ved Prakash Pandey	Office Attendant
13.	Ram Bhul	Office Attendant
14.	Sunil Sharma	Office Attendant
15.	Hira Wati	Office Attendant
16.	Geeta Devi	Office Attendant
17.	Rajesh	Office Attendant
18.	Dhara Singh Meena	Office Attendant
19.	Shiv Charan	Office Attendant
20.	Manhar Kumar	Office Attendant
21.	Jagdamba Parsad	Mali
22.	Inder Pal	Mali
23.	Sanjay Singh	Mali
24.	Sant Pal	Safai Karamchari
25.	Pali Devi	Safai Karamchari
26.	Kiran	Safai Karamchari

B. List of Non-Teaching Staff (Accounts Section)

S. No.	Name of Staff	Designation
1.	Sonia Mange	Section Officer
2.	Rati Pal Singh	Assistant
3.	Ankur Aggarwal	Assistant
4.	Anand Ram	Junior Assistant
5.	Y.P.S. Negi	Junior Assistant
6.	Bhupender Singh	Office Attendant
7.	Shambhu Ram	Daftri

C. List of Non-Teaching Staff (Chemistry Department)

S. No.	Name of Staff	Designation
1.	S.K. Sharma	Lab.Assistant
2.	K.K. Jain	Lab.Assistant
3.	S.K. Aggarwal	Lab.Assistant
4.	S.C. Arora	Lab.Assistant
5.	B.P. Bhatt	Lab.Assistant
6.	Ashok Kumar	Lab.Assistant
7.	Mukesh Kumar	Lab. Attendant
8.	Hemant Kumar	Lab. Attendant
9.	Som Nath Pandey	Lab. Attendant
10.	Rohit	Lab. Attendant

D. List of Non-Teaching Staff (Electronics Department)

S. No.	Name of Staff	Designation
1.	S.P. Singh	Lab. Assistant
2.	Jai Prakash	Lab. Assistant

List of Non-Teaching Staff (Physics Department)

S. No.	Name of Staff	Designation
1.	Sharif Khan	Lab. Assistant
2.	B.P. Tiwari	Lab. Assistant
3.	P.C. Bhatt	Lab. Assistant
4.	S.C. Meena	Lab. Assistant
5.	Nandan Singh Mehta	Lab. Assistant
6.	Supriya Gautam	Lab. Attendant
7.	Vinay Kumar	Lab. Attendant
8.	Madan Kumar	Lab. Attendant
9.	Manoj Khera	Lab. Attendant
10.	Amit Suri	Lab. Attendant
11.	Rameshwar Pawa	Lab. Attendant
12.	Satish Kumar	Lab. Attendant
13.	Raj Kumar Meena	Lab. Attendant

E. List of Non-Teaching Staff (Library Department)

S. No.	Name of Staff	Designation
1.	Indu Wadhwa	Library Attendant
2.	Surinder Kumar	Library Attendant
3.	Rajesh	Library Attendant
4.	Poonam Minhas	Library Attendant
5.	Neeraj Jain	Library Attendant
6.	Raj Kumar Saroha	Library Attendant
7.	Jyoti Mahlawal	Library Attendant
8.	Hema Kumari Thakuri	Library Attendant

F. List of Non-Teaching Staff (Computer Science Department)

S. No.	Name of Staff	Designation
1.	Basant Nainwal	Scientific Assistant

Executive Summary

This SSR is a reflection of ARSD College's commitment to **effective, inclusive and value-driven pedagogy**. While the College history succinctly portrays the trajectory of its growth ever since it was founded, the responses to the seven criteria based assessment, as sought by NAAC, encapsulate ARSD's **vision for higher education and an equitable social order**.

Being a constituent college of the University of Delhi, the College subscribes to the curriculum designed centrally by the University. At the same time, as detailed in **criterion 1**, the electives/options offered are selected judiciously, keeping in mind student needs and faculty expertise. Once selected, the College administration, faculty and the IQAC monitor the effective implementation of the choices through discussions, orientation sessions and other logistical manoeuvres. Besides rigorous classes and tutorials, regular and thorough evaluation and advancement of research aptitude, teaching-learning processes are kept steady and supple through activities such as **popular lectures, industrial visits, interaction with domain experts** from other institutions, civil society members and NGOs, film screenings, innovation projects and a slew of co-curricular activities. The College offers 17 undergraduate courses and tutorials for 4 postgraduate courses.

ARSD's approach to teaching, learning and evaluation, as discussed in **criterion 2**, is inclusive, caters to the special needs of the students and makes extensive use of ICT. Through **software training programmes, e-resource mobilization through INFLIBNET, INFONET and a state-of-the-art seminar room**, ICT is integrated with teaching/learning processes. To create an environment that caters to the needs of differently-abled students, the College has constructed a ramp, built specially designed washrooms and procured wheelchairs, portable audio devices, etc. For the visually challenged, special book reading sessions in collaboration with its NSS unit have been planned. The College also hopes to start a Braille Centre.

ARSD's commitment towards women's education gets reflected in **the 3% relaxation in admissions offered to female applicants**, proposal for a girls' hostel and various drives for gender sensitization routinely organized by the Women Development Cell of the college. Theatre, film screenings, skill development drives, self-defence workshops and motivational lectures are periodically mobilized by the College towards the empowerment of its women staff and students.

At ARSD, the **principle of inclusiveness** has been our guiding beacon, informing every policy decision and innovation undertaken by the College. Special classes are held to help students from weaker sections as well as for those students who need help with comprehension skills and linguistic abilities. Remedial classes shall soon be institutionalized. Further, a **Fee Concession and Students' Aid Committee** provides financial assistance in the form of book aid and fee concession to needy students. For the year 2015-16, the College has enhanced the corpus for such concessions/grants and is making efforts to simplify the fee concession procedure. In accordance with IQAC recommendations, the College has started the process of compiling

information and e-links about scholarships and study grants provided by the Union Government, state governments and some NGOs.

ARSD seeks to integrate syllabi-centred pedagogy with **innovation, research, skill development and employability**. To this end, a number of suitable measures have been undertaken. These are enumerated in **Criterion 3**.

With **8 well-equipped undergraduate labs and 5 other research labs recognized by the University of Delhi**, the science departments of the College are quite robust. To strengthen them further, the **Star College Grant** awarded by the Department of Biotechnology, Government of India, will be utilized. Through a strategic MoU with Ministry of MSME, College has established a **Business Incubation Centre** with the twin objectives to promote **entrepreneurial skills** among the students and provide support to worthwhile business ideas. The Centre allows the College an avenue for meaningful discharge of its **Institutional Social Responsibility** as innovative business ideas from across the University and adjoining areas are also to be facilitated. **7 major innovation project proposals**, submitted by the College, have received research grants under Delhi University's **Star Innovation Project Scheme**. These 7 projects, together with 15 other innovation projects sanctioned by the University (2013-15), will further strengthen the culture of research in the College. In collaboration with **National Skill Development Corporation** and the University of Delhi, the the ARSD chapter of **Skill Development Centre** is being set up.

The College infrastructure, as discussed in **criterion 4**, is put to optimal use and efforts are underway to expand our capacity further. In addition to classes and tutorials, the College premises are also used by Law Centre II of University of Delhi. Besides, on Sundays and other public holidays, classes for School of Open Learning and IGNOU are held as well. Over the next five years, the College plans to construct a **student activity centre**, with facilities for sports and recreation. The gymnasium will be upgraded with the addition of more equipment. The plan to construct a hostel for female students is already afoot.

A **well-stocked library** located centrally on the ground floor of the college is at the heart of ARSD's teaching-learning infrastructure. It is aided by a library committee which is responsible for annual purchase of books and subscription of magazines/journals, besides maintaining library search engines. Staff, well-trained in library science, help students locate books and look after the **needs of the differently-abled readers**. The process of installing **SOUL2.0 software** with interactive screens to help students browse through the catalogue is underway.

Institutional support provided to the students and some of their outstanding achievements are discussed in **criterion 5** of this SSR. The Fee Concession and Students' Aid Committee and the **Equal Opportunity Cell** of the College are responsible for fee concession and textbook aid to students from economically underprivileged backgrounds. In addition to this, **special scholarships** such as **Atma Ram Chadha Memorial Scholarship** and **Sultan Chand Memorial Scholarship** have been instituted to encourage meritorious

students of the college. Assistance is also provided to slow learners and students at the risk of dropping out.

The College conducts special lectures/tests and gives the benefit of one-third of attendance to those students who miss classes on account of participating in various national and international competitions. Depending on the demands of the competitions and their relevance/potential impact on character/personality development of the students, the participating individuals/groups are also provided with **financial support and technical assistance** of a trainer/instructor engaged from outside the College. **Better communication skills, technical know-how and computer competence** are encouraged through workshops/demonstrations/hands-on training programmes organized periodically by the College. Through debating forums such as Nimbus (English) and Vedanta (Hindi), students not only learn the art of public speaking, but also gain confidence by participating in various debate competitions organized across the University. College's NSS and NCC units are among the most active in the University. Sense of social responsibility and concern for the nation are instilled among the students through these fora.

Governance, leadership and management practices of the college, as detailed in **Criterion 6** of this report, are informed by **democratic and inclusive values**. Every stakeholder in the institution: Governing Body members, students, faculty members, non-teaching staff and alumni, are involved at various stages of policy formulation and their execution. College's communication chain is equally transparent. Through the Staff Council, the Principal conveys all the important policy decisions to the teachers. Notices and circulars, in the case of non-teaching staff, and the students' notice board and the college website, in the case of the students, are used to disseminate information/instruction. The College website is in the process of being restructured as a single-window portal for all updates, queries, and instructions flowing in and out of the institution. There is also a proposal to install more LCD screens in the campus and use them to keep the students conversant with activities within the College as well as in the other colleges/departments of the University. Such screens may also be used to broadcast messages from the Principal, and talks/lectures webcast by the University of Delhi as well as MHRD.

Efforts have also been made to extend student-faculty interaction beyond the classroom. Teachers are not only allocated **contact periods** (CP), in fact, as part of the mentorship programme, they separately address academic as well as extra-academic concerns of a motley group of students assigned to them. The IQAC is preparing to take the mentorship programme to another level by constituting a **Student-Faculty Committee** (SFC). The proposed forum shall comprise the Principal, IQAC convener, coordinators from various departments and academic toppers from each class. As per the IQAC suggestions, deliberations on issues concerning teaching methodology, remedial classes, research, innovation projects and cultural activities of the college shall be discussed by SFC.

The College's commitment towards environment and its preservation is summarized in **criterion 7** of this report. With the help of a gardening

committee, Eco Club and motivated staff as well as students, the green cover of our 12.31 acre campus, located along the Aravalis, is maintained. Through initiatives such as plantation drives, cleanliness drives, programmes for **hazardous and e-waste management**, lectures, film screenings and by keeping environment at the heart of all policies—infrastructural as well as pedagogic—ARSD strives to promote clean environment practices in the students.

ARSD's commitment towards the environment is reflected in its efforts towards energy conservation. The College is making efforts to install solar panels and reduce substantially its electricity budget. Criterion 7 also takes stock of the plethora of innovations made by the College in the fields of administration (e.g., **Star College Grant, paper-free recruitment process**, etc.), Institutional Social Responsibility (efforts at women empowerment through skill development, gender sensitization drives, adoption of villages, etc.) and innovation in the fields of academics and culture (**Popular Lecture Series, Business Incubation Centre, Star College Grant, Rangsheersh Jaidev Natyotsav**, etc.).

In addition to the activities and innovations summarized in this SSR, the College has elaborate plans to meet the challenges of the future and capitalize on the promises that it holds. As is evident from this SSR, the College seeks to address, through a strong academic orientation, social issues which are apposite to the times.

SWOC Analysis

Strengths:

- ❖ Large, strategically-located campus with good infrastructure
- ❖ Good library and laboratory facilities
- ❖ Transparent admission system
- ❖ Variety of courses/subjects
- ❖ Excellent teacher-student relationship with personalized attention to students
- ❖ Large number of active Societies, Clubs and Cells
- ❖ Diverse and inclusive campus with strong focus on female education; *inter alia*, the campus has a very healthy gender ratio
- ❖ Successful fusion of academic excellence and social justice
- ❖ Sensitivity towards environment
- ❖ Sustained productive engagement with the wider community
- ❖ Strong work ethic and responsive administration
- ❖ Employee welfare schemes

Weaknesses:

- ❖ Infrastructural lacunae such as auditorium, amphitheatre, student activity centre, hostels, staff quarters, etc.
- ❖ ICT usage on campus not at full strength
- ❖ Potential for add-on courses not fully realized
- ❖ National/international collaborations in teaching and research inadequately explored
- ❖ Modalities of alumni involvement not formalized

Opportunities:

- ❖ Considerable scope for all-round growth of the College, given the availability of space
- ❖ Taking advantage of various schemes on offer from the UGC and the Central Government for development and upgradation of facilities
- ❖ Launching new skill development and vocational add-on courses
- ❖ Facilitating short-term internships with industries, media houses, NGOs and law firms
- ❖ Promoting start-ups
- ❖ Greater collaboration with national/international academic institutions and the industry
- ❖ Tapping into alumni network for College's betterment
- ❖ Promoting a multidisciplinary approach to teaching and research

Challenges:

- ❖ Augmentation of infrastructure given our location in the ecologically sensitive Ridge area
- ❖ Re-inventing the importance of good classroom teaching in an increasingly technology-driven world
- ❖ Coping more effectively with fast-paced all-round changes
- ❖ Filling gaps in ensuring equal access for students from disadvantaged backgrounds
- ❖ Increasing the number of vocational courses keeping in mind contemporary needs as well as developmental goals
- ❖ Keeping the number of non-permanent employees to a bare minimum
- ❖ Taking steps towards self-sufficiency by generating resources

Profile of the Affiliated / Constituent College:

1. Name and Address of the College:

Name :	Atma Ram Sanatan Dharma College	
Address :	Dhaura Kuan, New Delhi-110021	
City : New Delhi	Pin :110021	State : NCT, Delhi
Website :	www.arsdcollege.net	

2. For communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. Gyantosh Kumar Jha	O: 011-24113436 R:011-25052401	9891166010	011-24111390	principal.arsdcollege@gmail.com principal@arsd.du.ac.in
Vice Principal	Vacant				
Steering Committee Co-ordinator	Satish Chandra Jha	O: 011-24113436 R: 011-22231829	9891412890	011-24111390	scjha09@gmail.com

3. Status of the Institution:

Affiliated College

Constituent College

Yes

Any other (specify)

4. Type of Institution:

a. By Gender

i. For Men

ii. For Women

iii. Co-education

Yes

b. By Shift

- i. Regular
- ii. Day
- iii. Evening

5. It is a recognized minority institution?

- Yes
- No

6. Sources of funding:

- Government
- Grant-in-aid
- Self-financing
- Any other

7. a. Date of establishment of the college: 03/08/1959

b. University to which the college is affiliated /or which governs the college:

University of Delhi

c. Details of UGC recognition:

Under Section	Date, Month & Year	Remarks(If any)
i. 2 (f)	01/10/1959	Certificate enclosed
ii. 12 (B)	01/10/1959	Certificate enclosed

d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.): Not Applicable

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

- 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. mts:

Location *	Urban
Campus area in sq. mts.	12.31
Built up area in sq. mts.	4682.4

(* 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:
Auditorium facility in pipeline. Seminar complex is available.

❖ Sports facilities:

I. **Football Ground, Table Tennis Court, Basket Ball Court, Volley Ball Court, Cricket Ground, Kabaddi Ground, Badminton Court, Indoor Games (Chess and Carom) and Athletes' Track.**

II. **Gymnasium**

III. **Our swimming and water polo players use Talkatora Swimming Pool on payment which is reimbursed by the College.**

❖ Hostel

I. Boys hostel

No

i. Number of hostels

ii. Number of inmates

iii. Facilities (mention available facilities)

II. Girls hostel

Proposed

i. Number of hostels

ii. Number of inmates

iii. Facilities (mention available facilities)

- III. Working women's hostel **No**
- i. Number of inmates
 - ii. Facilities (mention available facilities)
- ❖ Residential facilities for teaching and non-teaching staff : **No**
- ❖ Cafeteria: **Yes**
- ❖ Health centre: **Available at nearby South Campus, University of Delhi.**
- ❖ First aid, Inpatient, Outpatient, Emergency care facility, Ambulance: **First aid facility is available.**
- ❖ Health centre staff :

Qualified Doctor **Not available**

Qualified Nurse Full Time Part Time

Facilities like banking, post office, book shops: **Banking Facility available**

- ❖ Transport facilities to cater to the needs of students and staff: **No**
- ❖ Animal house: **No**
- ❖ Biological waste disposal: **Yes**
- ❖ Generator or other facility for management/regulation of electricity and voltage: **Yes**
- ❖ Solid waste management facility: **No**
- ❖ Waste water management: **No**
- ❖ Water harvesting: **Yes**

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

Sl. No.	Program me Level	Name of the Programme/ Course	Duration	Entry Qualifica tion	Medium of instruction	Sanction ed/appro ved Student Strength	Ist Sem (Ist year)	3rd Sem (IInd year)	5th Sem (IIIrd year)	No. of Studnets Admitted
Under-Graduate										
1.		B.A. Programme	3 years	12th Class	English & Hindi	92	99	114	0	213
2.		B.A (H) English	3 years	12th Class	English	39	35	41	40	116
3.		B.A (H) Hindi	3 years	12th Class	Hindi	39	42	56	65	163
4.		B.A (H) Economics	3 years	12th Class	English	77	83	84	101	268
5.		B.A (H) History	3 years	12th Class	English	39	42	56	60	158
6.		B.A(H) Political Science	3 years	12th Class	English & Hindi	77	87	101	98	286
7.		B. Com (Hons)	3 years	12th Class	English	139	151	143	190	484
8.		B. Com	3 years	12th Class	English	154	165	150	0	315
9.		B.Sc. (H) Mathematics	3 years	12th Class	English	77	73	78	111	262
10.		B.Sc(H) Chemistry	3 years	12th Class	English	69	69	141	77	287
11.		B.Sc. (H) Computer Science	3 years	12th Class	English	46	52	46	0	98
12.		B.Sc. (H) Electronics	3 years	12th Class	English	31	39	36	0	75
13.		B.Sc. (H) Physics	3 years	12th Class	English	69	80	77	131	288
14.		B.Sc. (H) Zoology	3 years	12th Class	English	30	0	0	21	21
15.		B.Tech Computer Sc.	3 years	12th Class	English	50	0	0	87	87
16.		B.Tech Electronics	3 years	12th Class	English	50	0	0	31	31
17.		B.Sc.(Physical Science) Chemistry	3 years	12th Class	English	62	88	55	0	143
18.		B.Sc. Phy. Science(Ele.)	3 years	12th Class	English	62	79	48	0	127
19.		B.Sc. (Phy. Sc.) Comp. Sc.	3 years	12th Class	English	61	82	61	0	143
20.		B.Sc. Applied Phy. Sci.(I.C.)	3 years	12th Class	English	46	45	37	0	82
Post-Graduate										
1.		M.A (English)	2 years	Graduation	English	15	16	10	0	20
2.		M.A (Hindi)	2 years	Graduation	Hindi	23	13	13	0	26
3.		M.A (Political Science)	2 years	Graduation	English & Hindi	31	33	34	0	68
4.		M.Com	2 years	Graduation	English	15	17	14	0	31

13. Does the college offer self-financed Programmes?

Yes No

If yes, how many?

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

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Number	1
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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.):

S No.	Faculty	Departments	UG	PG	Research
1.	Science	Chemistry, Computer Science, Physics, Electronics, Mathematics, Botany and Zoology	UG	Nil	Nil
2.	Arts	English [#] , Hindi [#] , History, Economics and Political Science [#]	UG	#PG	Nil
3.	Commerce	Commerce	UG	PG	Nil
4.	Any Other (Specify)	NA			

indicates UG & PG both.

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

a. Annual system

b. Semester system

c. Trimester system

17. Number of Programmes with:

- a. Choice Based Credit System 17
- b. Inter/Multidisciplinary Approach 17
- c. Any other (specify and provide details) 7

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

Yes No

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

Yes No

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

Positions	Teaching faculty						Non-teaching staff		Technical Staff	
	Professor		Associate Professor		Assistant Professor		*M	*F	*M	*F
	*M	*F	*M	*F	*M	*F				
Sanctioned by the UGC / University	NA				204		137		60	
Recruited	Nil		14	28	78	65	55	11	27	0
<i>Yet to recruit</i>	NA				19		71		33	
Sanctioned by the Management/ society or other authorized bodies <i>Recruited</i>	NA									

***M-Male *F-Female**

21. Qualifications of the teaching staff:

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female			
Permanent Teachers							
D.Sc./D.Litt.	Nil						
Ph.D.	NA		19	8	14	13	54
M.Phil.			9	19	16	22	66
PG			14	28	31	33	106
Temporary Teachers							
Ph.D	Nil				19	11	84
M.Phil					10	11	11
P.G.					47	32	79
Part-time teachers							
Ph.D	Nil				5	3	8
M.Phil					3	3	6
P.G.					10	9	19

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

19

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

Category	Year - 1 (2012-13)		Year - 2 (2013-14)		Year - 3 (2014-15)		Year - 4 (2015-16)	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	308	80	439	96	463	115	385	137
ST	102	25	98	21	89	32	78	28
OBC	368	139	639	191	808	227	776	229
General	1282	1232	1321	1179	1144	1120	1072	1072
PWD	24	0	15	3	13	2	11	4

24. Details on students enrolment in the college during the current academic year:

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	1969	116	Nil	Nil	2085
Students from other states of India	1120	29	Nil	Nil	1149
other states of India NRI students	Nil	Nil	Nil	Nil	Nil
Foreign students	32	Nil	Nil	Nil	32
Total	3121	145	Nil	Nil	3266

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	Rs. 77349.811
b. excluding the salary component	Rs. 19712.74

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

Yes No

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

Department	Teacher : Student
Botany	30:01
Chemistry	17:01
Commerce	30:01
Computer Science	22:01
Economics	21:01
Electronics	17:04
English	21:01
Hindi	25:01

Department	Teacher : Student
History	29:01
Mathematics	23:01
Physics	17:01
Political Science	22:01
Sanskrit	21:01
Zoology	10:01

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 reaccreditation.)

30. Number of working days during the last academic year:

247

31. Number of teaching days during the last academic year:

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

190

32. Date of establishment of Internal Quality Assurance Cell (IQAC):
24/05/2014

33. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC: Not applicable as the college is doing NAAC for the first time.

34. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information): No

CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

Vision: The College is committed to a model of **quality education** that is equitable and leads to the **holistic development** of all stakeholders.

Mission: The motto of our College is *Tejasvi-Naav-adhitam-astu*: “May our learning be endowed with radiance.” Serving a cross-section of students, Atma Ram Sanatan Dharma College is committed to provide quality education in the fields of Humanities, Science, and Commerce, and enabling the all-round development of the students. The College is also dedicated to **create opportunities for its women students** in a safe and nurturing environment. Our aim, therefore, is to work towards creating a joyful ecosystem where students are galvanized to maximize their potential while cultivating their conscience.

Objectives:

The college focuses on learner-centric teaching, and dynamic and interactive learning which is fostered by:

- ❖ Developing **core competencies** in addition to valuable life skills;
- ❖ A strong focus on **research-based activities**;
- ❖ **Innovative teaching practices** that include ICT;
- ❖ Placing strong emphasis on **instilling in students a sense of social responsibility**;
- ❖ **Modernization and upgradation of college infrastructure**, laboratories, learning resources, and computational facilities.

Through various college societies, such as the **Equal Opportunity Cell (EOC)**, the **Women Development Cell (WDC)**, the **National Service Scheme (NSS)**, the **National Cadet Corps (NCC)**, etc., the College manages in-house and community outreach programmes with a view to redress inequities and bridge social disparities. It is our objective to produce socially responsible adults and enable equitable access.

The **Vision** and **Mission** of the College are made available to all stakeholders and the general public by means of the **College Prospectus**, the **Information Booklet**, and the College magazine, *Udyachal*. The website, along with the printed material the College publishes, also makes all the relevant College-related information accessible. In addition, the students are apprised of the objectives of the College, its traditions, societies, and plan for each academic session through the **Freshers’ Orientation** and the **Principal’s inaugural address** to the College community.

Curriculum Implementation:

As a constituent college of Delhi University, ARSD follows the prescribed curriculum.

- ❖ The prescribed syllabus is examined thoroughly and all electives/options are judiciously selected, keeping in mind the areas of expertise of the faculty as well as the needs of the students.
- ❖ The College has a Timetable Committee that coordinates with the timetable in-charge of each department.
- ❖ Workloads are computed and allocated; discussions regarding workload allocation for each semester begin by the end of the previous semester and each department hosts a series of meetings to ensure equitable distribution in accordance with skill and areas of interest.
- ❖ Year-wise timetables are then uploaded to the website to ensure transparency and easy accessibility.
- ❖ With the introduction of the CBCS, all students from Semester I were given an orientation regarding its components and requirements. A workshop was conducted in July 2015 where the general electives on offer were introduced and elaborated by the faculty. The open session allowed the students to address their questions and anxieties.

Throughout the year, the administration and the faculty monitor the **effective implementation** of the curriculum.

- ❖ The **University learning resources** are accessible through our well-equipped computer laboratory.
- ❖ The students attend lectures and tutorials/preceptorials as mandated by the University and as prescribed by their timetables.
- ❖ **Regular evaluations** ensure that standards are being maintained. Assignments also function as an informal method of feedback on the teaching-learning process.

Institutional Support to Faculty:

At ARSD, teachers are provided all the support they require to **ensure effective curriculum implementation and self-advancement through research**.

- ❖ The **College encourages the faculty members to attend orientations/ workshops/refresher courses** at regular intervals.
- ❖ Courses and programmes are organized periodically by the Institute of Lifelong Learning (ILL) and attended by the staff.
- ❖ Delhi University's Cluster Innovation Centre (CIC) also creates opportunities for the faculty members to hone their skills.

- ❖ The College uses **information technology to create access to learning resources** for its staff and students. The campus is **Wi-Fi enabled**; the library is almost completely digitized and subscribes to a large number of academic journals/periodicals/magazines. The College community also has **access to INFLIBNET**.
- ❖ The College grants leave to its faculty in order to enable them to undertake research-related activities, pursue grants and projects, and attend conferences and workshops.
- ❖ Work is in progress for the creation of reading space for both faculty and students, and the installation of air-conditioners in the Library.
- ❖ **Majority of classrooms are equipped with LCD projectors** and efforts are on to ensure their smooth functioning and their use in classroom teaching.
- ❖ Teachers are encouraged to use **teaching aids, visual material, presentations and e-learning modules** to enhance the students' experience and are provided with all possible institutional support.

Faculty Involvement in Curriculum Framing:

Senior members of the staff are on various Academic committees and serve on several Statutory Bodies of the University. They are actively involved in devising and framing the curriculum and follow up on its effective implementation. A few examples include Dr. Anup Chatterjee, Dr. P. Shardamani, Dr. V.K. Arora, Dr. V.M. Jha, A.S. Prajapati, Dr. I.M. Jha, Dr. Anamika Prasad, Dr. A.B. Bhattacharya, Dr. Pinkey Dureja, Dr. Suman Dudeja, Dr. Swati Biswas, Dr. Jyotika Jogi, Dr. Sanjay Singh Baghel, Dr. Uma S. Singh, and Dr. V.S. Dixit.

Interaction with Beneficiaries:

The College interacts with beneficiaries such as industry, research bodies and the university in effective operationalization of the curriculum.

- ❖ As a **STAR College** under the Department of Biotechnology, we undertake visits to research institutions and industries.
- ❖ The college has conducted **English Language Proficiency Course (ELPC)** in the past and has started it again.
- ❖ The **Placement Cell** invites prominent business professionals for talks and interaction sessions in order to endow theoretical knowledge with a practical angle. This enhances our students' industry exposure and creates opportunities for placements and internships.
- ❖ The NSS interfaces with several NGOs and works with students to conduct community outreach programmes.

- ❖ Once operational, the **Business Incubation Centre**, sponsored by the Ministry of Medium, Small, and Micro Enterprises (M/oMSME) will further enhance these opportunities and widen our industry exposure. **23 business ideas have already been received** and are under consideration.
- ❖ Efforts are also on to establish a local chapter of Delhi University's **Skill Development Centre** that will allow students to cultivate vocational skills and enhance their professional opportunities. Courses have been advertised and are awaiting student registration.

Meeting Curricular Objectives:

The College ensures that the **stated objectives of curriculum** are achieved in the course of implementation in the following ways:

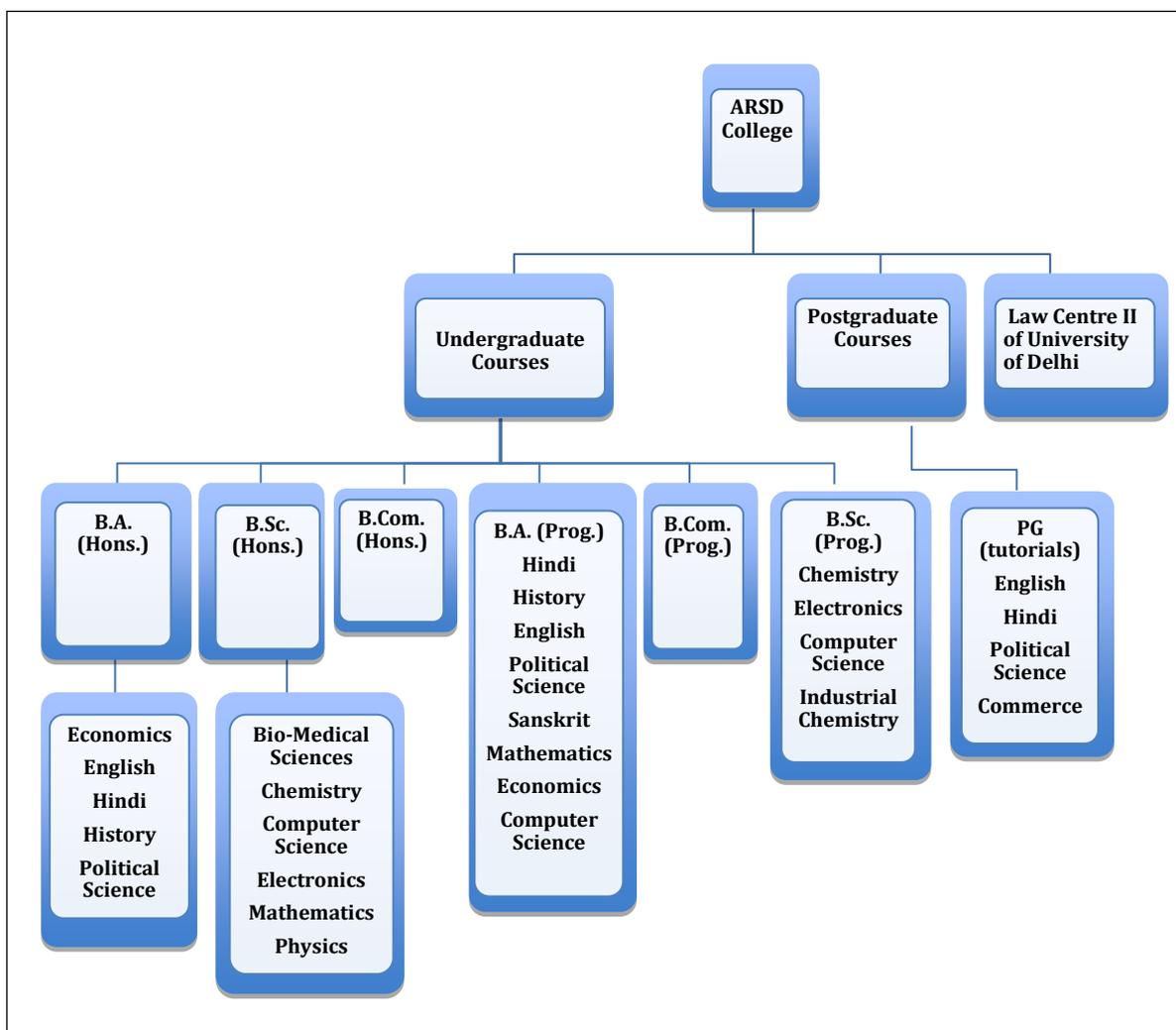
- ❖ The **Internal Quality Assurance Cell (IQAC)** of the College ensures that quality protocols are followed in matters of curriculum implementation.
- ❖ **The Principal** monitors the teaching-learning process closely and ensures that classes are held in a timely manner. He also consults with the faculty and ensures that all systems are fully functional.
- ❖ Each year, departments take stock and discuss methods of improving performance.
- ❖ **Student feedback forms**, initiated in 2013, affirm that student satisfaction is adequately gauged and teaching performance evaluated.

1.2 Academic Flexibility

College Curricular Structure:

The College administers **17 undergraduate courses** under the aegis of Delhi University, following its curriculum, rules, regulations, and proper protocol. The chart below lists the courses on offer at the College, including the **postgraduate tutorials** conducted by four departments.

SCHEMATIC DIAGRAM OF COURSES ON OFFER AT ARSD COLLEGE



Sanskrit, while not offered as an Honours course, is available for students of BA (Programme) along with those from the first year who opt for MIL as well as Generic Electives.

The **students of BA (Programme)** are offered a wide variety of choices. For example, this year as many as **18 subject combinations** were available.

The College has two different systems in three years—**CBCS** in first year and **Semester Mode** in the second and third years. The College has been following the semester scheme since 2010 in science courses and since 2011 for all the courses. CBCS, introduced in the College from the academic session 2015-16, provides for a number of elective options. Apart from 14 compulsory core courses and two Ability Enhancement Compulsory Courses (AECC), the College offers a number of skill based ability enhancement courses from which students can choose any two. The College also offers a number of papers from different disciplines from which students can opt for one generic paper each in the first four semesters.

The Generic Electives being offered by each department of the College in Semester I are given below:

Name of Department	Name of Course
Commerce	a. Microeconomics
	b. Insurance & Risk Management
English	a. Academic Writing and Composition
	b. Contemporary India: Women and Empowerment
Hindi	a. Lokpriya Sahitya
	b. Hindi Cinema aur Iska Adhyayan
Economics	Introductory Microeconomics
History	Environmental Issues in India
Mathematics	Calculus
Political Science	a. Nationalism in India
	b. Gandhi and the Contemporary World
Sanskrit	a. Indian Culture & Social Issues
	b. Indian Epigraphy & Palaeography
Electronics	Electronic Circuits and PCB Designing
Computer Science	Introduction to Programming
Chemistry	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons
Physics	Electricity and Magnetism
Bio-Medical Science	a. Basics of Immunology
	b. Concepts of Biotechnology

The Generic Electives on offer for Semester II may be found below:

Name of Department	Name of Course
Commerce	a. Macroeconomics
	b. Investing in Stock Markets
English	a. Media and Communication Skills
	b. Reading on Indian Diversities and Literary Movements

Name of Department	Name of Course
Hindi	a. Rachnatmak Lekhan b. Patkatha Tatha Samvad Lekhan
Economics	Introductory Macroeconomics
History	Issues in Contemporary World History
Mathematics	Linear Algebra
Political Science	a. Women, Power, and Politics b. United Nations and Global Conflicts
Sanskrit	a. Ancient Indian Polity b. Nationalism and Indian Literature
Electronics	Digital System Design
Computer Science	Introduction to Database Systems
Chemistry	a. Chemistry of s- and p- block Elements, States of Matter, and Chemical Kinetics b. Organometallics, Bioinorganic Chemistry, Polynuclear hydrocarbons and UV, IR Spectroscopy
Physics	Thermal Physics

In the Semester 1, the College offers English/MIL Communication to students of Humanities and Commerce as AECC and Environmental Studies in Semester 2; the reverse will be applied to students of Science. In 5th and 6th semesters, students can choose two papers in each semester as Discipline Specific Elective (DSE) from the list of options available.

The College proposes to provide for inter-institutional credit transfers. The **merit of CBCS** lies in the fact that it provides for lateral entry. **Credit accumulation and transfer facility** is available to students admitted under the CBCS mode. They enjoy **lateral mobility** via the option of choosing generic electives being offered by other departments. The College offers a total of **19 generic electives** that allow the students a wide range of courses to choose from. Under CBCS, there is also a provision for **lateral mobility across institutions** via the process of credit transfer. **Vertical mobility** is available to those students who opt for two elective papers in a particular course. These students may go on to pursue masters in the same discipline as these elective papers.

Under **semester mode**, inter-disciplinary papers provide **lateral mobility** across disciplines. Please refer to departmental SSRs for complete details.

1.3 Curriculum Enrichment

The College supplements the University's Curriculum in the following manner:

- ❖ **Senior faculty members are associated with curriculum framing** as members of Faculty Committees at the University level.
- ❖ The Principal has annual meetings with departmental heads and other senior members of staff to evaluate curriculum implementation, and modes of improving academic transactions.
- ❖ The **IQAC holds regular meetings to oversee all academic activities** and is in the process of putting into place a system that will monitor quality enhancement on various fronts.
- ❖ Various departments of the **College organize festivals that include panel discussions, paper presentations, and talks** in addition to popular activities such as creative writing competitions, musical competitions, quizzes, and poster-making contests. These programmes, often run entirely by the **students**, allow them to **engage their leadership abilities, their talent for organization, and managerial skills, along with supplementing their academic sphere of action.**
- ❖ The College conducts a **Popular Lecture Series** that invites eminent scholars and academics for sessions that serve to widen the students' horizons and enrich their regular curricular activities.

Star Innovation Project Scheme:

In October 2015, the University of Delhi approved a **sum of Rs. 1.95 crore for 7 innovation projects (duration 3 years)** under the **Star Innovation Project Scheme**. The projects include:

1. "Structural Dielectric Optical And Magneto-Electric properties Of Multiferroic nanocomposites"
2. "Study and Development of Novel Anti-bio-film compounds Curcumin and Boron Compounds"
3. "Design and Synthesis of Small Molecules of Benzimidazole and Quinoline and Their Metal Complexes For Antimalarial and Catalytic Activities"
4. "An Alternative For Petrochemical Based Polymers: Synthesis of bio-based/Semi-Biobased, Biodegradable, Photo-Functional and High Performance Polymers With Advanced Properties for a Sustainable Future"
5. "Study of Fine Art Creativity, Optimistic approach and Therapeutic Benefits"
6. "Reinventing Select Folk Theatre Forms of North and East India: Towards a New Idiom of Contemporary Theatre"

7. “Archiving Gandhi’s Buniyadi School: Towards an Inclusive and Sustainable School System”

Innovation Projects

In 2015-16, the University of Delhi has awarded **ten innovation projects** to the College.

ARSD-301. “Noscapines encapsulated nanopolymers: Potent anti-cancerous agents” (Dr. Prashant Singh)

ARSD-302. “Building a Future for Water: Cost effective Alternative Plan to YAP and GAP, Remedial and Recovery” (Dr. Rajeev Singh)

ARSD-303. “Challenges of Urban Governance in the Peripheral Areas of Delhi: Local Self Government and Socio-Political and Economic Development” (S.N. Dubey)

ARSD-304. “Synthesis and Characterization of Ferromagnetic-BaTiO₃ Nanocomposites for Magnetoelectric Properties” (Dr. Vinita Tuli)

ARSD-305. “An obstacle detector sensing burger and vibrator device using microcontroller for Blind and Blind-Deaf” (Nidhi Bansal)

ARSD-306. “Synthesis of transition metal nano-particles functionalized/decorated with graphene and other organic moiety for removal of impurities from air and water” (Dr. Sunita Bansal)

ARSD-307. “Synthesis of Nanostructured materials and their interaction with biological systems for nanomedicine and medical nanorobotics” (Dr. Suman Dudeja)

ARSD-308. “Impact of Social Media on Indian Democracy” (Dr. S.S. Baghel)

ARSD-309. “Technostress and its Impact on the Indian Youth: An Empirical Investigation” (Dr. Uma S. Singh)

ARSD-310. “Automatic Railway Gate Control System with High Speed Alerting and Intruders Sensation System” (Anju Rustagi)

The College was awarded **five innovation projects** in the academic year 2013-2014, which were extended and successfully completed by March 2015, namely:

- ❖ **ARSD-201.** “Challenges of Contemporary India: A Gandhian Alternative” (Dr. Indra Mohan Jha)
- ❖ **ARSD-202.** “Design and Synthesis of Potentially Biocompatible Acid Based Polymers” (Dr. Jaspreet Kaur)
- ❖ **ARSD-203.** “Impact of Social Networking Sites on Indian Youth-A study of their Life Styles and its Effectiveness in Nation Building” (Dr. Sanjay Singh Baghel)
- ❖ **ARSD-204.** “Study of Impact of Environmental Consciousness on Green Buying Behaviour” (Dr. Anup K. Chatterjee)

- ❖ **ARSD-205.** “Delhi Police: Antrik Sarvekshan (Delhi Police: Internal Survey)” (Ajeet Kumar/Dr. Rajesh Chand Adarsh)

Ancillary Programmes:

While the curriculum is fixed by the University, ancillary programmes are run by the institution in order to prepare the students for the fluctuations of the job market.

- ❖ As a **STAR College**, ARSD receives funding to run research projects in the fields of Mathematics, Biology, Physics, and Chemistry. These interdisciplinary ventures deepen student understanding and knowledge, in addition to prepare them for a career in academics.
- ❖ The College has a thriving Dramatics society, **Rangayan**, which regularly conducts workshops and organizes theatre festivals. This society has produced actors and theatre personalities of note, and motivates students to develop their extra-curricular talents as a possible future profession.
- ❖ The **Placement Cell** of the College invites distinguished professionals for discussions and demonstrations; these interactions allow students to bridge the gap between the classroom and the workplace, in addition to enriching their course content.
- ❖ Among our other efforts are initiatives to soon operationalize a **Skill Development Centre** and a **Business Incubation Centre**, both of which will maximize potential and create possibilities of revenue generation.
- ❖ The **NCC** prepares its cadets for a life in the armed forces along with instilling in them the discipline and focus necessary to succeed in this volatile economy.

Integration of cross-cutting issues:

The College makes effort to integrate the cross-cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT, etc., into the curriculum.

- ❖ Under the CBCS, the College has on offer several **Generic Elective** courses that Semester 1 students may sign up for. Covering a gamut of social and contemporary issues, the courses will familiarize students with the way in which these concerns overlap and interlock. Some of the electives include “Lokpriya Sahitya” and “Hindi Cinema aur Iska Adhyayan” (Hindi department); “Nationalism in India” and “Gandhi and the Contemporary World” (Political Science department); and “Indian Culture and Social Issues” (Sanskrit department).
- ❖ All students study **EVS** for one semester that sensitizes them towards environmental issues.
- ❖ Additionally, College societies, such as the **Women Development Cell**, the **Eco Club**, the **Gandhi Study Circle**, the **NSS**, the **Debating Club**, and the **Dramatics Society**, carry out awareness campaigns, conduct workshops and community-oriented programmes that generate in the students a very real sense of the interconnectedness of our ecosphere.

Self-financed and add-on courses:

The College offers **Bachelors in Computer Science (Hons)** as a self-financed programme. University rules are applicable in admission procedures, curriculum, teacher qualification, and salary structure. The fee structure, however, is decided by the College Governing Body after appropriate deliberation and discussion.

The College has reintroduced **English Language Proficiency Course (ELPC)** since October 2015. Keeping global trends in mind, this course is aimed at increasing our students' language proficiency, bringing them in line with international standards. This course was subsidized till the time it was under the supervision of Institute of Lifelong Learning of Delhi University. Since this is no longer the case, this course has been relaunched under the self-finance scheme.

The College has, in the past year, initiated a **one-month skill development workshop**, conducted by the NSDC. Following the success of this exercise, it is in the process of negotiating the setting up of a **Skill Development Centre** that will cater to the burgeoning needs of the students in today's dynamic work environment.

1.4 Feedback System

Members of the faculty are involved in giving feedback on curriculum framing. Student feedback, interactions with alumni and teachers create a feedback system. From the outgoing students, feedback is sought through a feedback-cum-alumni registration form. Questions were fielded on both pedagogical as well as cultural aspects of the College. In addition to this, the College is in the process of registering its Alumni Association and formalizing a mechanism to collect feedback from the alumni.

The feedback collected from the outgoing batch of 2014-15 was analyzed by the Research Coordination Committee and the findings were conveyed to the IQAC. Some of the suggestions that emerged from the **feedback analysis and the action taken upon them** are as follows:

- ❖ A number of students felt that the chemistry lab should be renovated and improved. This concern has already been accommodated in the proposed infrastructural expansion as in addition to the existing lab, an entirely new chemistry lab is being built on the top floor.
- ❖ Some of the students observed that in the College there is a dearth of space for the students to sit during free periods. This has also been addressed in the post-accreditation plan of the College. As per the recommendations of the IQAC, seating spaces for the students are being developed around the College sports ground. A student activity block is also being developed as part of the current infrastructural expansion plan.
- ❖ Hostel facility for the outstation candidates was also proposed by many students. In the five year plan, the College has identified a hostel for girls as one of the major components of infrastructure expansion.

CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

Publicity:

The College ensures wide publicity through the following:

- ❖ All admission related information/announcements are publicized simultaneously on **the College and the University website**.
- ❖ The Principal maintains regular correspondence with **audio-visual and print media**. Particularly during admission time, his interviews and the profile of the College, along with admission related information, appear frequently in national dailies. In addition to this, the university also publicizes admission related information through multi-media platforms.
- ❖ **Radio Delhi University's Community**, broadcast on FM frequency 90.4 MHz, and the Facebook page of the College, are also mobilized for publicity.
- ❖ The College administration and faculty members participate actively in the **Open Day Sessions** organized by the University in both the campuses.
- ❖ ARSD College functions as the **South Campus Centre for the distribution of offline centralized admission forms**. The entire process is assisted by a team of student volunteers and teachers who remain active on the campus and address various admission-related queries of the applicants.
- ❖ The **College prospectus** succinctly presents all information related to admission procedure, courses offered, fee structure and the College profile. A full section of the prospectus is devoted to the "Ragging - prohibition and punishments" (Ordinance XV-C) which clearly says that the College is utterly against ragging and sexual harassment (Ordinance 16.6).
- ❖ **Notice boards** are scattered across strategic locations in the College to notify all admission related information

Process:

- ❖ Minimum eligibility for admission to various courses is decided by the University of Delhi. Every year the University prepares a guideline and organizes an **orientation programme** for the principals in which these guidelines are thoroughly discussed. The colleges follow these guidelines in letter and spirit.
- ❖ The **Staff Council**, which is a statutory body of the College, is responsible for conducting the admissions. The Council discharges

this function through an Admission Committee constituted every year at the beginning of the session.

- ❖ Applications are invited through **both online and offline processes**. Admissions are done on the basis of differential cut-offs announced by the University. No entrance tests are conducted for the purpose.
- ❖ Those applying under **SC/ST/OBC categories** are required to furnish necessary certificates/documents.
- ❖ For admissions under **sports categories**, trials are held and external experts are invited from the University panel.
- ❖ For **ECA category** applicants, merit list is prepared through trials conducted under the supervision of specialists from institutions approved by the University.
- ❖ For **admission of wards** of the University and employees of other colleges, a committee is constituted to decide the merit of the cases in a transparent manner.
- ❖ Before the admission process starts, the Principal holds a meeting with convenors of various admission-related committees in which admission processes are discussed, doubts are clarified, and suggestions are invited for smooth admission in the College.
- ❖ The admission process is managed at three levels, involving the Admission Committee, Admission Grievances Committees and the Admission-in-Charge of different departments of the College. Their specific contributions include the following:

Admission Monitoring Committee: It monitors the entire administrative procedures related to admissions and makes necessary recommendations for improvements in the process.

Admission-in-Charge: They are responsible for deciding the cut-off marks for admissions into different courses. While deciding the cut-offs, experiences of the previous years as well as the data of applicants for various courses provided by the University are taken into account.

Admission Grievance Committees: These committees entertain grievances, if any, and take appropriate action. The following is the list of such committees:

- I. General Grievance Committee
- II. Grievance Committee for SC/ST/OBC candidates
- III. Committee to look into the problems of candidates from the North East
- IV. Committee for differently abled candidates

Additionally, **Equal Opportunity Cell** of the College is active throughout the admission process.

Orientation Programme:

An orientation programme is organized on the first day of the commencement of the academic session to introduce freshers to College life. This is further extended at two levels: academic and co-curricular. Different departments conduct academic orientations where information is provided about the structure of the course, options available, and teaching/evaluation methodology. Various societies of the College conduct similar orientations-cum-skill development workshops where in addition to elaborating on the legacies of the respective societies, experts are invited to train the students into basic skills required to be a part of those societies. For example, theatre orientation workshops are conducted under the supervision of experts from the National School of Drama and eminent musicians are invited for orientation sessions of the cultural society. Orientation sessions are also held for students from the North East. With the introduction of the CBCS this year, special sessions were organized stream-wise to introduce the new system and the options being offered to them.

Transparency:

Transparency in the admission process is ensured by the following measures:

- ❖ The merit list is decided according to Delhi University guidelines
- ❖ Application form numbers of admitted candidates are displayed on the College website on a daily basis and sent to the University.
- ❖ A robust grievance redressal mechanism ensures that the interest of applicants is safeguarded at all stages of admission.

The extent of transparency that the College maintains in this regard may be inferred from the fact that there has been no complaint about any aspect of the admission procedure in the last several years.

2.2 Catering to Student Diversity and Strategies for inclusivity

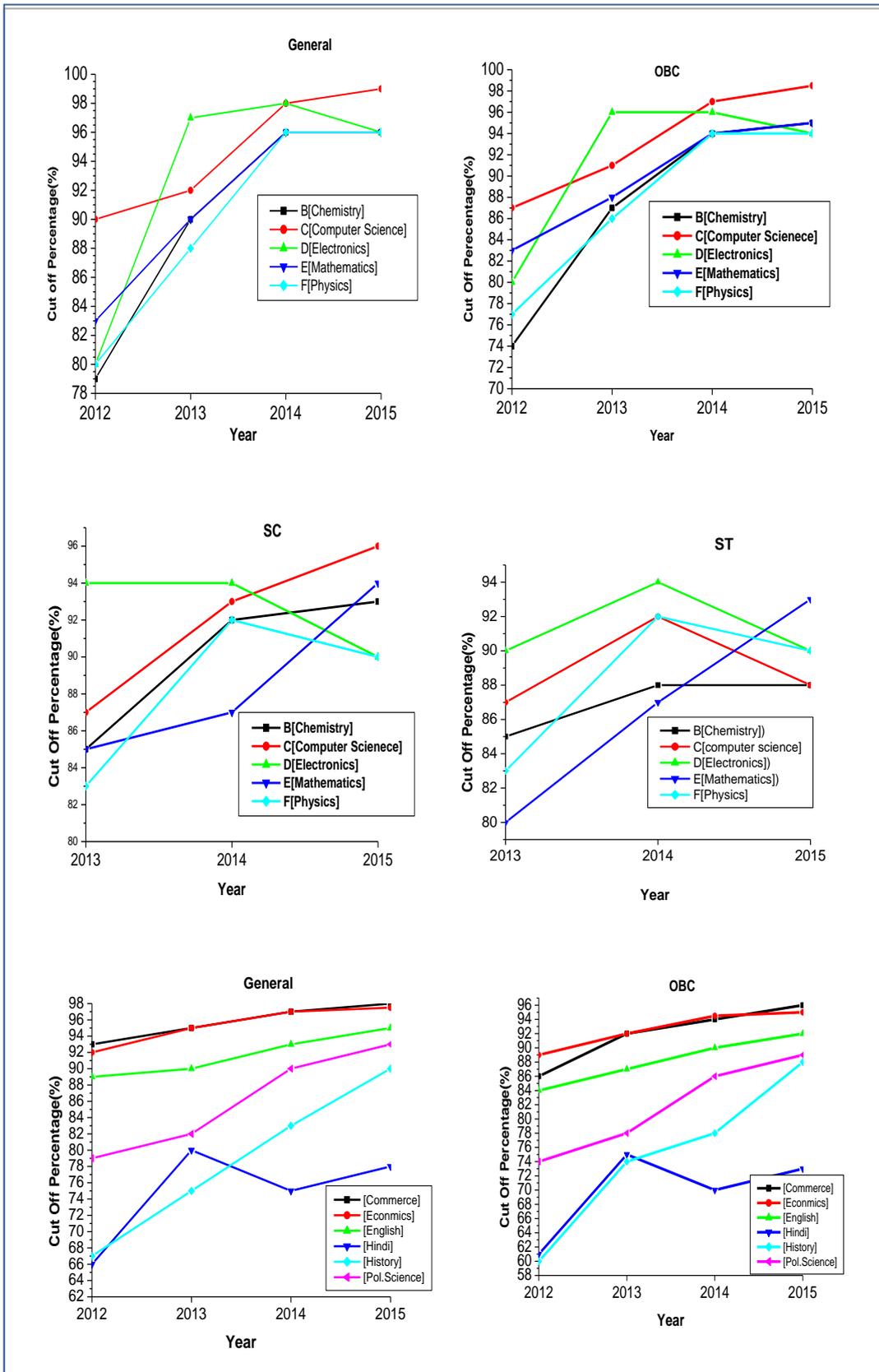
Reservation to different categories:

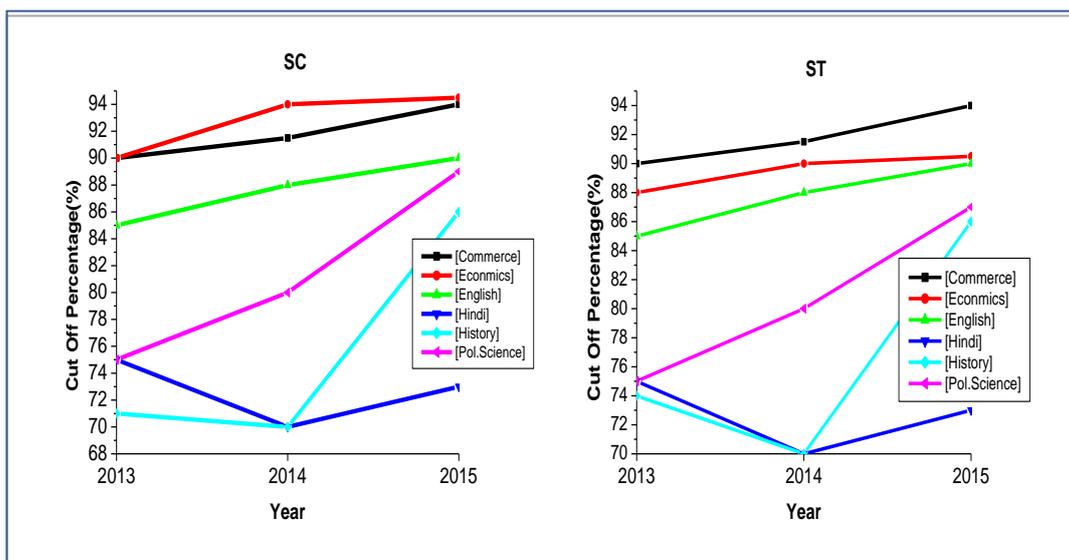
The admission policy of the College fully complies with the reservation policies of the Government of India. Separate admission cut-off marks are notified. Cut-off marks are lowered to ensure that all reserved seats are filled. This has been illustrated through the table provided below.

Table 2.1 Minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the College (2015-16)

Course Name	General (%)		OBC (%)		SC (%)		ST (%)		PWD (%)	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
B.A. (Prog.)	91	84.25	89	72.75	87	78	87	65	87	62
B.A. (Hons) Economics	97.5	96	95	82.5	94.5	66	90.5	55	94.5	55
B.A. (Hons) English	95	93	92	83	90	78.5	90	78	90	70
B.A. (Hons) Hindi	78	76	73	68	73	61	73	59	73	55
B.A. (Hons) History	90	88	88	73	86	78	86	70	86	60
B.A. (Hons) Political Science	93	91	89	83.5	89	82.5	87	76	89	76
B.Com. (Prog.)	97	93	95	84.75	93	81	93	54	92	55
B.Com. (Hons)	98	95.25	96	81	94	76.5	94	55	93	55
B.Sc. (Hons) Chemistry	96	92.67	95	89	93	78	88	50	88	55
B.Sc. (Hons) Computer Science	99	91	98.5	84.5	96	74	88	65	91	78
B.Sc. (Hons) Electronics	96	90	94	83	90	74	90	50	90	55
B.Sc. (Hons) Mathematics	96	94	95	88.5	94	76	93	50	91	55
B.Sc. (Hons) Physics	96	91.67	94	91.33	90	77	90	47	90	55
B.Sc. App. Physical Sciences (Ind. Chem.)	91	86	89	82	86	67	83	50	83	64
B.Sc. Physical Sciences (Chemistry)	92	79	90	70	87	56	85	50	85	55
B.Sc. Physical Sciences (Computer Science)	92	78.67	92	73	88	57	88	50	87	55
B.Sc. Physical Sciences (Electronics)	94	78	92	71	88	57	85	50	85	55

Graphical representation of rise in cut-off across disciplines and across categories (2013-15)





Graphical representation of rise in cut-off across disciplines and across categories (2013-15)

As is evident from the table, in every session, students are admitted in excess of the sanctioned seats. This, together with the rising cut-offs for various courses, as reflected in the graph, speaks volumes about the great demand among the students for courses offered by the College.

Additional reservation under various categories:

Apart from adhering to the statutory reservation policy of the government, additional seats in various courses are allotted to **differently-abled (3%)**, **foreign students (5%)**, **wards of war widows (5%)**, **sports and ECA (5%)**, and College and University ward cases.

Reservation for women: A **3% relaxation in admissions is given to girl candidates** in UG courses. This policy is in sync with the College's larger vision for promotion of education among women, ensured through a dedicated Women Development Cell and the proposal for a girls' hostel in our five-year plan.

Provision for the underprivileged:

The College is conscious of the general need to make education available to the economically weaker sections. The fee-structure is relatively low as compared to most other colleges. In addition to this, the College also has a **Fee Concession and Students' Aid Fund** to help the needy. The library maintains a **book bank** out of which text-books are loaned to the needy.

Provision for the differently abled:

The College has an Equal Opportunity Cell that addresses issues related to the differently-abled. This Cell works for the inclusion of disadvantaged students into the mainstream. The College maintains **ramps, customized washrooms,** and various other instruments such as **wheelchairs, sticks and portable audio-recorders** for the ease of differently-abled students.

For visually-challenged students, study material in **Braille** and **JAWS software-enabled computers** are provided by the library. At the time of examination, they are provided with writers and their seating arrangement is planned on the ground floor.

Assessment of students' needs and redressal mechanism:

Various needs of the students are assessed through student-teacher interactions during the orientation programme, contact periods and their classroom participation. Based on the findings, the following are some of the steps taken:

- ❖ **Bi-lingual teaching methods** are adopted wherever required. **English Language Proficiency classes** are held for those in particular need.
- ❖ Students who don't have exposure to computer use and the Internet are given special training. **Software training programmes are organized** for this purpose.
- ❖ Based on requirement, first year students have been provided laptops with pre-loaded study material.
- ❖ Weaker students are given **special attention during tutorials and contact periods.**
- ❖ Keeping in view the performance of students in the interactive discussions, tests and assignments, teachers provide personalized attention during the tutorials.
- ❖ To counsel students on academic as well as personal issues, students are provided mentors. Through these **mentoring sessions**, students are encouraged to discuss their problems with their respective mentors. The mentors, in turn, bring these concerns/grievances to the notice of various committees, the concerned departments and the administration, thereby ensuring their swift redressal. During these sessions, their career-related anxieties are also addressed.

For those **students who come from economically underprivileged backgrounds**, the following additional steps are taken:

- ❖ **Assistance by the Fee Concession and Students' Aid Committee:** This committee works for the welfare of the students. It not only helps students in getting aid but also attends to the special needs of individual students by arranging appropriate fee concessions from the College. The IQAC has also proposed to collect information on the

scholarships provided by various agencies and publicize it among the students.

- ❖ **Book Bank:** The book bank of the College has **1378 books**. These books are issued to the students shortlisted for fee concessions. Meritorious SC and ST students are the main beneficiaries. Remaining books are distributed among students with good academic performance as decided by the students' aid committee.

Further, the following steps are taken for **the benefit of the advanced learner:**

Teachers identify advanced learners during regular interactive sessions and contact period. They are counselled to upgrade their levels of knowledge. Such students are suggested to read advanced reference books/journals and encouraged to participate in national seminars/debates on national and international issues/social awareness programmes.

Sensitization of staff and students:

As a matter of principle, we are committed to egalitarian practices and take all possible measures for the promotion of education among weaker sections of society. Their issues are addressed with the help of committees, cells and societies formed especially for this purpose. In case of a breach of conduct, punitive action is taken. Some of the recent sensitization programmes organized by the various College societies are as follows:

- ❖ **Gender Sensitization** through theatre, documentaries, films, panel discussions and counselling. The Women Development Cell works to promote these activities.
- ❖ **Inclusion by ensuring fair participation in academic and co-curricular activities** from students across caste, class, region, gender and race boundaries.
- ❖ **Environmental consciousness** through activities of the Eco Club—plantation and cleanliness drives, visits to bio-diversity parks, street plays, poster-making, essay-writing, documentary screenings, etc.

2.3 Teaching-learning process

Teaching:

- ❖ The College follows the **Academic Calendar** of the University of Delhi and adheres to its schedules. The Calendar has been attached below.

Table 2.2 Academic Calendar of the University of Delhi

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

- ❖ **The Academic Planning Committee** scrutinizes and approves the workloads of various departments on the basis of which timetables are prepared.
- ❖ **The Timetable Committee** prepares the College timetables. Thereafter, coordinators of various departments allocate the papers to be taught among teachers and prepare timetables separately for every teacher. These are then integrated into a Master Timetable. Timetables are displayed on the notice boards and the College website. This exercise is completed well before the session starts.

Innovative Teaching Methods:

- ❖ **Power point presentations** are combined with interactive and engaged discussions. This has been enabled by majority of classrooms fitted with ICT devices.
- ❖ **Group projects and assignments** such as surveys, questionnaires, etc., which instil in them team spirit, *modus vivendi*, *in situ* learning and give them a chance to come closer to the society.
- ❖ The **College website** includes links to a **variety of educational resources on the web**. The students are encouraged to visit these websites. The teachers are encouraged to create blogs or post their presentations on the web, which could be hyper-linked from the College website for the benefit of the students.
- ❖ Faculty members strive to update their knowledge through textbooks, online and print journals. This helps them impart the latest knowledge in their field to the students.
- ❖ **Inter-disciplinary seminars** are organized to situate the textbooks in a larger context.
- ❖ **Movie screenings** are used to supplement text-centric studies. A suitable illustration would be the recently organized seminar of the Department of English in which episodes from Shyam Benegal's *Bharat Ek Khoj* were screened to provide the students an alternative perspective on classical Indian texts.
- ❖ **Role play is encouraged**, especially for the language programmes.
- ❖ **Group discussions, debates, quizzes, etc.**, are organized periodically.
- ❖ Field trips, workshops, expert lectures, etc., provide students with **hands-on experience**.
- ❖ **Gyanodaya Express Project-based Educational Trips**, initiated by the University, is an approach utilized by the College regularly to promote *in situ* research together with an appreciation of India's cultural diversity.
- ❖ **Contact periods** allow students to individually discuss their doubts with their teachers.
- ❖ In the newly introduced courses, it has been observed that there is a **greater emphasis on the practical component**. During the classroom teaching, applied sessions are accorded maximum priority.
- ❖ Students are encouraged to subscribe to add-on courses such as ELPC help in developing special skills
- ❖ Teachers provide textbooks and reference books for self-study.
- ❖ Advance information about topics to be taught in the next class so that students come prepared for active discussion with teachers.

Learning:

Student-centric learning has pedagogical and technological dimensions. Some of the features of learning experience at ARSD College are as follows:

- ❖ **Students are encouraged to develop habits of self-learning** or lifelong learning capabilities and bring their skills and employability in line with the highly competitive job market. To this end, students are exposed to the best academic/research practices and distinguished scholars and successful people are also invited to deliver talks on innovation.
- ❖ **Critical thinking** is an important component of learning experience at the College. This is promoted through the following:
 - I. In the classroom, teachers outline arguments related to the topic at hand and encourage debates around it, in addition to presentations and assignments. The focus is on logical argumentation and coherence of ideas.
 - II. Through **literary and debating societies**, creative writing and critical debates around contemporary issues are encouraged.
 - III. Most **departmental societies** organize debates or essay writing competitions aimed at promoting critical thinking.
 - IV. **Research Coordination Committee** and **Placement Cell** organize presentations and interactive discussions on research findings as well as their academic and practical significance.
 - V. The various **innovation projects** run by the College provide platforms for students' participation in the interdisciplinary innovation projects funded by the University and **in-house projects under the Star College Scheme**.
 - VI. **Talks are arranged** by experts in various fields to discuss legal rights, psychological problems, environmental conservation, human rights, etc.
 - VII. Critical thinking is also encouraged through the **College magazine Udyachal** and two **newsletters—Synergy** in English and **Samanvay** in Hindi. These magazines provide a platform to the students to think critically on political, socio-cultural as well as academic matters.
- ❖ **Fostering creativity through extra-curricular activities:**
 - I. The **societies for culture and music, dramatics and fine arts** help nurture creative talents of the students. Apart from organizing activities each semester and encouraging member-students to participate in inter-collegiate competitions, these societies routinely organize skill-development workshops, interaction with experts etc.
 - II. Apart from **annual cultural events** and **sports day**, our College seeks to integrate such cultural extravaganzas with a capacity to

appreciate India's plurality. With this objective in view, the North East Students' Welfare Committee of the College **organizes an annual festival celebrating the cultures of the Northeast—Rainbow.**

❖ **Focus on Undergraduate research aptitude:**

The guiding philosophy of teaching in the College is to enhance reason and rationality amongst students and to endow them with scientific temper without which they cannot make a genuine contribution to science and society. The promotion of scientific temper, as a matter of policy, is also in compliance with the spirit of Constitutional goals.

Many **scientific innovations** were **done by the students** in the last few years. Some of their innovations are:

- I. **Water purifier clay pot by using Nano-technology**
- II. **Woman safety device** at a very low price as compared to the market
- III. **Path follower robot** for multiple purposes
- IV. **Magnetic stirrer** manufactured from **waste material of computer CPU fan**
- V. An economic **multiple mobile charger**
- VI. Cost effective **non-toxic herbal colour materials** like **sindoor, gulal**, etc.

❖ **Focus on Life-long Learning:**

- I. Some add-on courses, such as **English Language Proficiency Course** and one **on computer skills and soft skills** enable students to become independent learners by providing them the necessary basic level information and essential stimulation to go to the next level of learning.
- II. Forums such as **Alumni Association** open up avenues whereby learning from the College and, in turn, enriching it with one's experience, becomes possible. The traffic between the College, its alumni and the retired faculty members sustain the process of life-long learning.
- III. Apart from the pursuit of academics, the College seeks to **inculcate among its students values and habits** that go beyond the duration of their course. For example, health consciousness is promoted through yoga, periodical health check-ups, art of living sessions, etc.

Monitoring and Contribution of IQAC to teaching-learning process:

- ❖ **Regular rounds by Principal** to ensure transaction of classes
- ❖ **Staff Council meetings** to monitor quality and deliberate on strategies of improvement

- ❖ **The IQAC monitors the overall quality of teaching-learning** and ensures that **constructive feedbacks provided by the students** are also incorporated in the overall teaching-learning process. Analysis of the student feedback form is undertaken by the Research Coordination Committee. The committee, in turn, forwards this feedback assessment to the IQAC. **A number of these recommendations are included in the post accreditation plans.** For further details, please refer to pg. 48.

The IQAC is committed to fostering a culture of excellence in teaching and research. The following decisions of the IQAC have been implemented:

- ❖ Institution of **mentoring groups** assigned to each faculty member to look into the problems faced by the students
- ❖ **Student-Faculty committees** at the departmental level to enhance student participation in academic, pedagogic and cultural spheres
- ❖ **Visits by distinguished alumni** to motivate and inspire the students
- ❖ **Promoting co-curricular activities** in the College
- ❖ **Skill development and entrepreneurial sessions** on regular basis
- ❖ Involvement of students in various **research projects**
- ❖ **Motivational talks** by experts from various fields
- ❖ **Strengthening the feedback mechanism**

2.4 Teacher Quality

Faculty Development Programmes:

- ❖ Approximately 50% of the existing faculty (both permanent as well as ad-hoc) is involved in regular **academic research activities.** Precise information of this is available in the personal files of the faculty members as well as the department reports. **In the year 2013-14, the College received 5 innovation projects** coded ARSD-201, 202, 203, 204 and 205 from the University of Delhi. **In the year 2015-2016, the College has been awarded 10 innovation projects** of an interdisciplinary nature, coded ARSD-301–310. In the past, many faculty members received research projects and grants by funding authorities such as **University Grants Commission, Indian Council of Medical Research and International Centre for Theoretical Physics**, as detailed in section 3.1.
- ❖ Most of the teachers often **participate in national and international conferences, seminars and workshops, and**

present papers. They bring back with them a lot of new ideas from such academic visits. Many faculty members also participate in the seminars as resource persons. Such visits enable our teachers to provide better guidance to the students. The College also organizes academic programmes where scientists, researchers from different parts of the country present their papers and views and share ideas.

- ❖ **Orientation Programmes and Refresher Courses:** All the permanent teachers of the College participate in orientation programmes and refresher courses organized by the University of Delhi or other approved institutions as required under the University policy. The College provides duty leave for teachers to attend these programmes. Every year, more than 5% of the existing permanent faculty members undertake orientation and refresher courses to keep themselves abreast of the latest academic developments in their respective fields.
- ❖ Many teachers of the College participated in **the orientation courses** conducted by the University of Delhi in 2013-14 in preparation for the teaching of the foundation courses of the FYUP. Though FYUP has been withdrawn, these faculty members benefitted from the introduction given to **student-centric teaching-learning processes** during these orientation programmes.
- ❖ The College is always supportive of the professional development of teachers and has been granting **study leave for doctoral and postdoctoral work as well as sabbatical leave to undertake research.** The College also encourages the faculty to attend national/international conferences/seminars. **Duty leave** is granted for the same. **Travel grants** may also be availed for presenting papers within the country. The College approves and forwards applications to the concerned funding agencies. The College also recommends research proposals for funding.

Faculty Recruitment and Promotion Policies:

The following strategies have been adopted by the College in planning and managing its human resource:

- ❖ **Advance planning for recruitment** is done based on the number of students admitted each year into the existing as well as newly introduced courses, if any, and the different papers to be taught in each semester.
- ❖ As a constituent College of DU, **recruitment policy is governed by University regulations.** The College is committed to recruit the required number of faculty members. Vacancies are advertised through the website of the College and the University and published in newspapers, including the *Employment News*. Selection panels are constituted following University of Delhi regulations.

- ❖ **Promotion of permanent faculty members** is governed by the Performance Based Appraisal System (PBAS) for Promotion under CAS 2010. This is a very transparent promotion mechanism, which uses a variety of Academic Performance Indicators (API) for promotion. CAS 2010 also stipulates the minimum scores that faculty members should have in each of the three API groups relating to i) teaching-learning and evaluation, ii) co-curricular, extension and professional development, and iii) research and academic contributions.

Table 2.3 Qualifications of the teaching staff:

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female			
Permanent Teachers							
D.Sc./D.Litt.	Nil						
Ph.D.	NA		19	8	14	13	54
M.Phil.			9	19	16	22	66
PG			14	28	31	33	106
Temporary Teachers							
Ph.D	Nil				19	11	84
M.Phil					10	11	11
P.G.					47	32	79
Part-time teachers							
Ph.D	Nil				5	3	8
M.Phil					3	3	6
P.G.					10	9	19

As is evident from the table, more than 50% of the faculty members have Ph.Ds. This illustrates that the faculty members are oriented towards research and they impart the same research aptitude to the students.

The following teachers have been recognized for their achievement in teaching.

- ❖ Dr. Sunita Bhagat was given an award for teaching excellence by the Ministry of Human Resource Development, Government of India in 2014.
- ❖ Baljeet Kaur was felicitated for Teaching Excellence in FYUP by the University of Delhi in 2014.

2.5 Evaluation Process and Reforms

Evaluation work is carried out as per the guidelines and schedules announced by the University. Evaluation is completed in three different phases. The details are as following:

- ❖ **Internal Assessment:** It usually accounts for 25% of marks of any paper and is given on the basis of formative assessment conducted alongside the teaching process based on attendance, class tests, assignments, and projects. The internal assessment records are required to be handed over to the Convenor of the Moderation Committee within three working days from the closing of teaching in every semester.
- ❖ **Practical Examinations:** Practical examinations are conducted during the time period prescribed by the University under the supervision of a Superintendent of Practical Exams. Each practical exam is conducted jointly by one external examiner and an internal examiner with the help of invigilators as required. The mark sheet is submitted to the University on the same day. **Under CBCS, for Science courses, instead of practical examinations a continuous evaluation system has been introduced.**
- ❖ **Theory/Summative Semester Examinations:** These examinations are conducted as per the schedule of dates and timings announced by the University. The examination process is conducted under the supervision of the Principal, who serves as the Superintendent of Examinations, assisted by a team of faculty members and other faculty members who are appointed as invigilators. Answer sheets are subsequently checked at the Central Evaluation Centres designated by the University.

The University has introduced a **decentralized system of evaluation** for some papers at the College level. This is done under the supervision of a senior staff member and the marks are submitted online to the University.

Performance of students in class tests and assignments is maintained by the College and is forwarded to the university as part of Internal Assessment that constitutes 25% of the total marks. Under CBCS, in science courses, students are evaluated on a continuous basis for all practical classes.

The evaluation schema and related policies are framed by University of Delhi. As a constituent College, ARSD observes the policies and guidelines in letter and spirit.

- ❖ **Communication of Evaluation Processes to Students:** Students are made aware of the internal and external evaluation process through the Orientation programme and the College Prospectus. Additionally, teachers inform the students at the time of formative assessment about the steps they should take to score well in internal assessment.

- ❖ **Communication of the Changes in Evaluation Processes to Teachers:** Teachers are kept updated of the changes in evaluation processes in the following ways:
 - I. **Circulation of Notifications:** Changes, if any in the evaluation processes are always notified by the University of Delhi or by concerned University departments. These notifications are then sent to all the coordinators of departments of the College for due adoption by all the faculty members.
 - II. **Discussion in Staff Council:** If necessary, such changes are discussed at the meetings of the staff council for clarifying any doubts.
 - III. **Meetings of University Departments:** The evaluation processes are also discussed and clarified at the meetings of the board of question setters and examiners. Experience and knowledge gained through these interactions help understand and communicate the evaluation processes better.

From time to time, the **University introduces reforms** to simplify and strengthen the evaluation mechanism of the College. Some of the key aspects of the reforms recently introduced by the university and implemented by the College include the following:

- I. **Decentralized Exam Form Filling through E-platform:** The College now has the responsibility of collecting student data contained in the exam forms and submitting the data through the E-platform of the university.
- II. **Admit Cards issued by the College:** The students now get their admit cards from the College instead of the Examination Office of the University.
- III. **Changes in the Internal Assessment Process:** 25% marks are reserved for internal assessment.
- IV. **Decentralized system of evaluation** has been introduced for some papers.

The College has not only effectively implemented evaluation reforms introduced by the university, but has additionally initiated some of its own. Some of these are:

- ❖ **Institutional Mechanisms for Conducting University Examinations:** The examination process is conducted under the supervision of the Principal, who serves as the Superintendent of Examinations, assisted by a team of faculty members. They are responsible for conducting the examinations in accordance with the regulations and guidelines of the university. Keeping the large number of students in mind, College has introduced a new system whereby **a seating plan of the examination is uploaded on the College website one day in advance.**

- ❖ **Mechanism for Addressing Internal Assessment Grievances:** Time is given to the students to report grievances, if any, and seek corrections before their marks are uploaded on the University link. Each College department also sets up a **moderation committee** to counter-check Internal Assessment (IA) marks and ensures their correctness and fairness. The entire Internal Evaluation process is facilitated by the Monitoring Committee. Students are also made to countersign their IA marks.
- ❖ **Supervision by Staff Council Secretary:** The Secretary of the Staff Council supervises the internal assessment process by coordinating the functioning of the departmental moderation committees.

The College, as per the University of Delhi guidelines, follows both **summative and formative assessment approaches**. The weightage of the two assessments under the current evaluation system of the university is as under:

- ❖ **Summative Assessment:** It carries 75% weightage and is based on the marks obtained by the students in the theory and practical exams conducted at the end of each semester.
- ❖ **Formative Assessment:** It carries 25% weightage based on attendance and internal assessment (class tests, assignments or projects).

Internal assessment marks given on the basis of **formative assessment have resulted in the following positive impacts:**

- ❖ **Regular Attendance:** It motivates students to attend classes more regularly.
- ❖ **Better Preparation for Exams:** It encourages students to be regular in studies and in this process they also prepare themselves better for the final summative examination.

Grievances related to examinations are received by the College, and upon verification are forwarded to the Examination Branch for necessary redressal.

2.6 Student Performance and Learning Outcomes

Student Performance:

The College has set up institutional mechanisms to keep track of student's progress over the duration of course/programme and **promote placement, entrepreneurship, research aptitude, social responsibility and community service**. These include the following:

- ❖ The institution monitors the progress and performance of students throughout the duration of the course/programme through **classroom lectures and internal assessment** (class tests, assignments, and semester examinations) method.
- ❖ Student attendance is seriously considered by the College. Attendance registers are checked regularly. And students who are falling short of attendance are contacted personally and, if necessary, their parents are also informed.

Learning Outcomes and Socio-Economic Relevance:

The College has clearly stated learning outcomes at the institutional level in the statement of its **Vision, Mission, and Objectives**. They are disseminated through the website, the information booklet and the annual report. In addition, the College aims to impart a holistic education to its students, making them good citizens. Through its outreach and extension activities, ARSD College fosters awareness of social issues and creates individuals with a communitarian outlook.

To make the entire learning experience **socio-economically relevant**, the following institutional mechanisms are useful:

- ❖ **Business Incubation Centre:** The College, in collaboration with the Ministry of Micro, Small, and Medium Enterprises (M/o MS ME) is furthering the cause by instilling entrepreneurial skills and business acumen among the students. The College plans to organize events to encourage start-ups and initiatives from students across the city to take the plunge into profitable ventures. Through this Incubation Centre, we hope to stimulate our students, as well as the community at large, into constructing newer and more sustainable business models that can address the demands of the globalized economy.
- ❖ **The Placement Cell:** The Placement Cell at ARSD has greatly facilitated the interaction of the final year students with representatives from companies/institutions/firms, in preparing them for suitable jobs. The Cell has organized group-discussions, communication-skills workshops, mock interviews and motivational talks in the past to guide students for their career related needs. It also creates internship opportunities for students and arranges campus interviews towards actual placements.
- ❖ **Social Welfare Programmes:** The College is committed to promotion of egalitarian practices. Sensitization of students about the needs of the underprivileged, the disadvantaged and the disabled is done through theatre, documentary screening, lectures, etc.
- ❖ **Community Engagement and Outreach through NSS and WDC:** Both these bodies work in collaboration to implement community engagement initiatives of the College. The College intends to adopt a village for the purpose of carrying out well-orchestrated community service initiatives. Additionally, WDC educates students about their

rightful position in society and supports them in their fight against oppressive policies and practices.

- ❖ **ARSD Chapter of Skill Development Centre:** The College has initiated a partnership with NSDC, and other academic centres and organizations to foster professional skills and entrepreneurial skills in the students.
- ❖ Support and career counselling is also provided through **mentor groups** and during **contact periods**.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

The College is committed to promote a culture of research and has been making efforts to this end. **Many faculty members are the recipients of funds from Peer-reviewed Grants.** Through major recent initiatives and opportunities like the **Star Innovation Project Scheme of the University of Delhi, Star College Grant of the Department of Biotechnology, GOI,** and strategic collaboration with **Ministry of MSME for a Business Incubation Centre,** and unstinted support to its faculty engaged in research, the College is striving to integrate research with syllabi-centric pedagogy. The College endeavours to create a framework that facilitates **collaborative research** involving the students and the faculty members.

Recognized research center/s of the affiliating University/other agencies:

The College is utilizing the Star College grant to start research projects under the departments of Physics, Chemistry, Mathematics and Biology. Additionally, under its **Star Innovation Project Scheme,** the University has recently sanctioned a sum of **Rs. 1.95 crore for 7 such innovation projects.** Besides, a Business Incubation Centre and a **nodal Skill Development Centre,** in collaboration with **National Skill Development Corporation** are also underway.

Research committee to monitor issues of research:

The College has a **Research Co-ordination Committee (RCC),** which creates awareness about various funding agencies, their schemes, organizes interactive sessions with eminent scholars etc. The following are the members of the RCC: Dr. V.K. Arora, Dr. I.M. Jha, Dr. R.K. Gautam, Dr. Meena Dadu, and Dr. Vinita Tuli.

Some of the provisions for smooth progress and implementation of research schemes/projects are as follows:

Autonomy to the Principal Investigator:

The principal investigator enjoys the freedom to purchase equipment and instruments as per the needs of the project. Further, all crucial logistical/executive decisions are left to the wisdom of the principal investigator.

Timely availability or release of resources:

The RCC sees to it that there are no delays—procedural or otherwise—in the procurement of instruments and creation of special facilities required for conducting research project.

Sabbatical leave:

College encourages faculty members to **avail of doctoral/postdoctoral sabbatical leave**. Substantial number of faculty members have benefited from this provision. Presently, Dr. I.M. Jha of the Department of Political Science is on sabbatical leave. He is working on a research project titled, “**Changing Narratives of Terrorism: India’s Security Challenges.**”

Adequate infrastructure and human resources:

Apart from the efforts made by the RCC, the College administration provides space for research and mobilizes human resources to support various research projects undertaken by its faculty. In addition to this, the following measures are taken to develop research aptitude among the students:

- ❖ Departmental societies in collaboration with funding agencies periodically organize National Seminars.
- ❖ The Staff Council, the Placement Cell and initiatives like Popular Lecture Series provide avenues for the students to interact with some of the best minds from India and abroad.
- ❖ Students are encouraged to participate in innovation projects and conduct research by using opportunities such as Star College Grant, Business Incubation Centre and various on-going **inter-departmental innovation projects sanctioned by the University of Delhi**.

Faculty Research Projects:

There are 6 recognized M.Phil./Ph.D. research guides and 20 teachers involved in active research projects. Of these, 6 minor and 14 major research projects have already been completed and 11 minor and 1 major research projects are on-going. These projects are funded by agencies like UGC, DST, ICMR and the University of Delhi. The details of these research projects are provided below:

Table 3.1 Department-wise details of on-going/completed research projects and research scholars (Major Grants and research collaboration)

Department of Chemistry					
S.No.	Name of Principal Investigator	Title of the Project	Name of Funding Agency	Grant Sanctioned (Rs.) & Year of Sanction	Status of the Project
1.	Dr. Sunita Bhagat	“Design and Strategic Synthesis of some Novel Marine Natural Products of Biological Importance”	Department of Science and Technology	43 lakhs/Feb 2015	In Progress

S.No.	Name of Principal Investigator	Title of the Project	Name of Funding Agency	Grant Sanctioned (Rs.) & Year of Sanction	Status of the Project
2.	Dr. Sunita Bhagat	“Synthesis of novel . . . isolated from E Jambolina.”	Indian Council of Medical Research	54 lakhs/Nov 2013	In Progress
3.	Dr. Sunita Bhagat	“Development of New Fluorine containing Building blocks for Regioselective Synthesis of Biologically important fluoroheterocycles ”	University Grants Commission	7.76 lakhs/March,2009	Completed successfully
4.	Dr. Sunita Bhagat	“Development of new fluoroheterocyclic . . . biologically important heterocycles”	Department of Science and Technology	19.95 lakhs/June 2009	Completed successfully
5.	Dr. Sunita Bhagat	“Design and Synthesis of Novel Fluorine Containing Heterocycles of Biological Interest”	Department of Science and Technology	17.52 lakhs/2004	Completed successfully/ 2009.
6.	Dr. Suman Dudeja	“Theoretical Investigations of some Organic Molecules for potential use in Molecular Resonant Tunneling Diode (MRTD)”	University Grants Commission	2.50 lakhs	Completed Successfully/ 2012
7.	Dr. Sunita Bansal	“Study the factors responsible for food adulteration, detection of adulteration and effect over the health of this adulterated food” (Innovation project scheme)	University of Delhi	10 lakhs/May 2012	Completed successfully
8.	Dr. Prashant Singh	“Use of Metal nanoparticles as efficient catalysts in the synthesis of biological important thiazolidine-2, 4-diones.	University Grants Commission	10.49 lakhs/2010	Completed successfully

S.No.	Name of Principal Investigator	Title of the Project	Name of Funding Agency	Grant Sanctioned (Rs.) & Year of Sanction	Status of the Project
9.	Dr. Prashant Singh	“Novel route for the synthesis of potent thiazolidine -2,4-diones (Resiglitazone, Pioglitazone and DRF-2189) as well as their derivatives and evaluation of their physical & chemical properties.	Department of Science and Technology	19.90 lakhs/2011	Completed Successfully
10.	Dr. Rajeev Singh	“Synthesis and characterization studies of some single source molecular precursors of Al(III), V(V), Ti (IV) and related metals for the preparation of ceramic materials.”	University Grants Commission	13.71 lakhs/2013	In Progress
11.	Dr. Jaspreet Kaur (ARSD-202)	“Design and Synthesis of potentially biocompatible bile acid based polymers” (Innovation project scheme)	University of Delhi	7 lakhs/2013	Completed Successfully/ 2014
Department of Physics					
12.	Dr. A.B Bhattacharjee	“Optomechanical Control of Superfluid Properties of a Bose Einstein condensate coupled to a nano-mechanical resonator”	Department of Science and Technology	18.11 lakhs/2012	Completed Successfully/ 2015

Department of Electronics					
S.No.	Name of Principal Investigator	Title of the Project	Name of Funding Agency	Grant Sanctioned (Rs.) & Year of Sanction	Status of the Project
13.	Dr. Jyotika Jogi	“Modeling, Simulation and Study of Noise Performance and Noise Characteristics of Double Gate InP based InAlAs/InGaAs High Electron Mobility Transistors for High Power and Tetra Hz Frequency Applications”	University Grants Commission	12.72 lakhs/Feb-2010	Completed Successfully /Jan. 2013
Department of Biology					
14.	Dr. Vibha Narang	“Mass Scale propagation of bamboos and production of synthetic seeds”	Department of Science and Technology	4 lakhs/1995	Completed Successfully /1998
Department of English					
15.	Gautam Chaubey	“Translation of Collected Essays of Shrilal Shukla”	University Grants Commission	Remuneration at Sahitya Akademi rates for translation/2014	Ongoing
Department of History					
16.	Ajeet Kumar (ARSD-205)	“Delhi Police: An Internal Survey” (Innovation Project scheme)	University of Delhi	3 lakhs/2013	Completed Successfully /2014
17.	Mihir Kumar Jha	“An Adventure to an Unexplored Paradise: Cuisines and Traditional Dresses of Manipur”	Gyanodaya V Scheme of University of Delhi	No direct monetary grant as such/2014	Completed Successfully /2015

Department of Hindi					
S.No.	Name of Principal Investigator	Title of the Project	Name of Funding Agency	Grant Sanctioned (Rs.) & Year of Sanction	Status of the Project
18.	Dr. S.S. Baghel (ARSD-203)	“Impact of Social Networking Sites on Indian Youth—A study of their lifestyles and its Effectiveness in Nation Building” (Innovation Project scheme)	University of Delhi (DU)	3 lakhs/2013	Completed Successfully /2014
Department of Economics					
19.	Dr. Anup Kumar Chatterjee (ARSD-204)	“Study of Impact of Environmental Consciousness on Green Buying Behaviour” (Innovation Project scheme)	University of Delhi (DU)	3.50 lakhs/2013	Completed Successfully /2014

Under the University of Delhi Innovation Scheme, ten innovation projects have been sanctioned for the year 2015-16. (sanctioned amount is between Rs. 3.5-5.5 lakhs and 10 UG students are involved in each of these year-long projects). **Please refer to pgs 49-50 for further details.**

Additionally, **under its Star Innovation Project Scheme, the University has just sanctioned a sum of Rs. 1.95 crore for 7 such innovation projects** (duration 3 years each). **Please refer to pg 49 again for their details.**

Workshops, training programmes and capacity building exercises

The College has taken several initiatives to encourage research and research culture amongst the students and teachers. Some of the initiatives include organizing seminars, workshops, lecture series and training sessions on recent trends in research as well as face-to-face interaction with senior scholars. Some recent examples:

Workshops:

- ❖ The Commerce Department organized a workshop on Tally on 16 October 2015.
- ❖ A one-day fabrication workshop was held on Fabricating Single and Double Sided PCB in the Electronics lab on a shoestring budget on 13

March 2015 by Dr. Dhananjay Gadre, NSIT, Delhi.

- ❖ A free basic computer skills workshop for beginners was organized on 30–31 January 2015.
- ❖ A day-long communication skill workshop was organized jointly by the Placement Cell and the English department on 17 January 2015 for the female students of B.A., B.Sc., and B.Com (Programme) courses of the College under the broad rubric of “Empowering Women Through Skill Development: A Communication Skills Workshop.”

Training programmes and other capacity building exercises like Seminars, Educational Trips, Extension Activities:

- ❖ In February 2015, The **Popular Lecture Series** invited **Dr. Steve Barton** of **Kingston University, London**, to deliver a talk on “Optimizing Home Chemotherapy through Analytical Research” sensitizing students on the causes and problem related to cancer. In January 2015, **Mayank Malik, CEO, Citibank** (North Africa, Jordan, and Iraq) spoke on “Connecting the Dots”. In December 2014, **Prof. Raman Uppal, Professor of Finance with Edhec Business School, London**, discoursed on “Nothing is Impossible”. Dr. B.C. Sabata from the Department of Environment, Govt. of NCT of Delhi, Prof. Rup Lal from the Department of Zoology, University of Delhi, and Prof. J.M. Khurana from the Department of Chemistry, University of Delhi were also among those invited to speak.
- ❖ A two-day seminar on **Indian Classical literature** was held on 13 and 15 October 2015 by the English Department Association. **Dr. V.M. Jha** of the Department of History of ARSD College was invited to speak on Kalidasa and Shudraka. B. Mangalam, of the Department of English of Ram Lal Anand College and N. Sachin of the Department of English of Dyal Singh College were invited to speak on Ilango Adigal. Adaptations of the texts were also screened at the seminar. Over 250 students and faculty members from different college of the university participated in the event.
- ❖ The Department of Commerce organized a two-day national seminar on “Emerging HR practices for Organizational Excellence” during March 24-25, 2015.
- ❖ The Department of History organized a seminar in memory of Late Dr. V.K. Verma, titled “**Sufism in Medieval India with Reference to the Political and Cultural roles of Chishti Order**” by **Dr. Raziuddin Aquil**, Associate Professor, Department of History, University Of Delhi, on 30 January, 2015.
- ❖ The Department of Commerce organized a lecture on 28 January 2015 on the topic “Challenges and Roads ahead” by eminent speaker **C.S. Nesar Ahmad, Ex-President of the Institute of Companies Secretaries of India and Corporate Secretaries International Association, Geneva, Switzerland**. The same day, a financial literacy programme in collaboration with ICICI Direct Centre for Financial

Learning on the topic “Theoretical and Practical aspects of Online Stock Trading” was also organized.

- ❖ In January 2015, ARSD College submitted a project report entitled “**An adventure to the Unexplored Paradise: Cuisines and Traditional Dresses of Manipur**” after participating in *Gyanodaya Express V* educational trip in December 2014.
- ❖ A talk on Resume writing and IT skills was organized on 16 October 2014 by the Placement Cell of ARSD College.
- ❖ A talk on western classical music was organized on 25 September, 2014. The talk was delivered by Anshuman Singh, Assistant Professor, Department of English, Dyal Singh College, University of Delhi.
- ❖ Investor Awareness Programme on “Recent Trends in Capital Market” was conducted on 23 September 2014 in association with Northern Indian Regional Council of the Institute of Companies Secretaries of India under the aegis of Investor Education and Protection fund, Ministry of Corporate Affairs, Govt. of India.
- ❖ On 18 September 2014, **Dr. Himanshu Roy, Fellow, Nehru Memorial Museum and Library**, spoke on the theme “National Security.”
- ❖ Placement Cell and IQAC on 5 September 2014 organized a talk by C.S. Nanda on the theme “Unleash the Power Within: Be an Efficient Communicator”.
- ❖ A lecture on “**Retrieving Women’s Agency from Early Historical Traditions**” was held on 27 August 2014. **Prof. Jaya Tyagi** of the Department of History, University of Delhi was the speaker on the occasion.
- ❖ The Sanskrit department organized a talk on 14 August 2014 by Dr. Girish Nath Jha, Associate Professor, Special Centre for Sanskrit Studies, JNU, on “Information Technology and Sanskrit”.
- ❖ Dr. Payal Nagpal of Janki Devi Memorial College, University of Delhi, was invited on 24 March 2014 for a talk on the dramatist Jean Genet and his works.
- ❖ The Hindi department conducted a seminar on 20 March 2014 on “**Hindi Naatak aur Stri Chetna,**” presided over by **Prof. Ramesh Gautam, Director ILLL**, University of Delhi.
- ❖ **Dr. L.K. Sharma, Chief Scientist, National Physical Laboratory**, delivered a lecture on “Need of Automation in Research and Industry” on 4 March 2014.
- ❖ In March 2014, a talk on “**India’s Foreign Policy in the Age of Coalition**” was delivered by **Prof. Subrata Mukherjee**, former Head of the Department of Political Science, University of Delhi.
- ❖ In March 2014, the Department of Electronics organized a seminar on Microcontrollers.

- ❖ **Dr. B.C. Sabata, Senior Scientific officer, DoE, was invited to inaugurate the Eco Club of College**, and deliver a speech sensitizing students regarding various environmental issues. A paper recycling machine has been sponsored by DoE; it is being regularly used to get recycled paper for rough usage as well as making of posters.
- ❖ B.A. Programme Society organized a talk by Prof. Savita Pande, Centre of South Asian Studies, JNU, on “Indo-Pak Relations”.
- ❖ A talk on John Donne's poetry by Aruni Mahapatra was organized in the month of March, 2013. The talk was held under the aegis of the English Seminar.
- ❖ The College organized a two-day UGC-sponsored national seminar on *Bhasha ki Rajneeti aur Rashtriya Asmita* in March 2013. The proceedings were edited by Dr. Gyantosh K. Jha and published by Sasta Sahitya Mandal Prakashan, New Delhi.

Prioritized research areas and the expertise available with the institution:

- ❖ **Organic Synthesis, Fluorine-containing Bioactive Compounds, and New Fluorinating Reagents**

Dr. Sunita Bhagat, an Associate Professor with the Department of Chemistry, is working in the area of **Fluorine Containing Heterocycles of Medicinal Interest**. Recently she has been awarded research projects from the **Department of Science and Technology (DST) and Indian Council of Medical Research (ICMR)** in the field of **Synthesis of Biologically Important (antidiabetic and antimalarial) natural products**. She is widely published, has established her research laboratory in the College, and at present four Ph.D. students are working under her guidance.

- ❖ **Drug Screening and Nano-technology**

Dr. Prashant Singh, an Assistant Professor with the Department of Chemistry, is a co-investigator on a major project titled, “**Study the effect of Synthesized Ionic Liquid on the Stability of Membrane Proteins in Presence/Absence of Water.**” He has received a research grant of Rs. 33 lakhs from DST.

- ❖ **Material Chemistry (Sol-Gel technique for synthesis of ceramics), Hybrid materials, Coordination Chemistry, and Organometallic Complexes**

Dr. Rajeev Singh of the Department of Chemistry is currently running a major research project, titled “**Synthesis and characterization studies of some single source molecular precursors of Al(III), V(V), Ti (IV) and related metals for the preparation of ceramic materials.**” His research lab is currently hosting JAIST Fellow, Dr. Amit Kumar, Chaitanya Kumar, Geochemist, ONGC and Neeraj Mishra, Project Fellow, and regularly hosts many post-graduate students as interns.

❖ **Areas of Quantum Optics and Quantum Gases**

Dr. A.B. Bhattacharjee, an Associate Professor with the Department of Physics, works in the areas of Quantum Optics and Quantum Gases. He has guided 3 research scholars (M.Phil./Ph.D).

❖ **Micro-electronics**

Dr. Jyotika Jogi, an Associate Professor with the Department of Electronics, has successfully completed a major research project sponsored by the University Grants Commission titled, “**Modeling, Simulation and Study of Noise Performance and Noise Characteristics of Double Gate InP based InAlAs/InGaAs High Electron Mobility Transistors for High Power and Tetra Hz Frequency Applications**” (Feb. 2010–Jan. 2013). She has guided many research scholars and established a well-equipped laboratory in our College.

❖ **Web Recommender System, web mining, peer-to-peer systems and distributed computing**

Dr. V.S. Dixit, an Assistant Professor with the Department of Computer Science, is working in the areas of Web Recommender System, web mining, peer-to-peer systems and distributed computing. 10 M.Phil. and 3 Ph.Ds. have already been awarded under his guidance.

Attracting researchers of eminence to visit the campus and interact with teachers and students:

As pgs 73-75 amply demonstrates, the College has been constantly able to attract and host eminent researchers and achievers of various hues, who have interacted with both teachers and students. Our modus operandi:

- ❖ Various departmental societies organize events inviting scholars of repute.
- ❖ Faculty members get in touch with eminent researchers for lectures and demonstrations.
- ❖ The College provides infrastructure and funding to make these periodic events a success.

Additionally, the following Initiatives have been taken up by the institution in disseminating research findings to students and community (lab to land):

Both teachers and students are encouraged to publish their findings which are duly shared amongst the teachers, students and community via the College notice board, College web pages, and social networking sites. The copies of the projects are kept in the library for easy access to all stakeholders. During events like Antardhvani, stalls are set up to showcase our findings and publications to a much wider audience.

3.2. Resource Mobilization for Research

Budgetary allocation/Seed money:

Although separate budgetary allocation for research is not available, the College has successfully mobilized other avenues for research, as detailed in pgs 79-81. The College does not yet provide seed money for research but under Business Incubation Centre scheme, start-ups would soon be able to apply for seed money. Though there is no separate financial provision yet from the College's side for student research projects, contingent logistical support is provided to all those students of the College who become part of University-funded inter-departmental students' projects. For instance, Gyanodaya V team of the College was sanctioned Rs. 12,000 to showcase its project during Antardhvani 2015.

Inter-disciplinary research:

The College is fast emerging as a thriving undergraduate research hub with many highly inter-disciplinary research projects to its credit. Through University-sponsored schemes, faculty members as well as students from different departments of the College have been brought together in collaborative project work. The University stipulates for at least 3 departments to be represented in each inter-departmental project. Quite a few successfully completed and ongoing **inter-disciplinary innovation projects** like the one on *Gandhian Solutions to Contemporary Problems* or on *The Impact of Social Media on Youth*, to cite a few, testify to our successful endeavours in this direction. A big challenge of such projects is to bridge the methodological gap between various disciplines and overcoming genuine problems like overlapping lecture schedules posing difficulty in organizing brainstorming sessions. To deal with many operational difficulties of this kind, the College has established a Research Co-ordination Committee headed by a senior faculty member.

Optimal utilization of various equipment and research facilities:

Presently, science departments share instruments and facilities on the basis of mutual agreement and understanding. These research instruments are also used to aid teaching and for demonstration. Under the Star College Grant, the College proposes to establish an inter-departmental instrumentation facility where equipment and instruments will be made available centrally. Every science department will soon prepare a timetable regarding availability of shared instruments. One coordinator will be given the responsibility for maintaining it and allotting time for its use by researchers from other departments.

Special grants mobilization for development of research facility:

In the recent past, the College has received grants from the following sources:

- ❖ Star College Grant by Department of Biotechnology (DBT), Ministry of Science and Technology, Govt. of India
- ❖ Grant by University of Delhi for seven Star Innovation Projects

- ❖ Grant by University of Delhi for several Innovation Projects
- ❖ Research aid from Indian Council of Medical Research

Details of research grant received from various funding agencies:

- ❖ Total fund received from Department of Science and Technology (DST)—Rs. 1.54 crore.
- ❖ Total fund received from University Grants Commission (UGC)—Rs. 48.36 lakhs.
- ❖ Total fund received from University of Delhi under Innovation Project Scheme—Rs. 64.5 lakhs.
- ❖ Total Fund received from Indian Council of Medical Research (ICMR)—Rs. 42 lakhs.
- ❖ Approval received from University of Delhi under Star Innovation Project Scheme—Rs. 1.95 crore.

Extra-organizational research support:

To facilitate faculty members in securing research opportunities and funds from various agencies, the College ensures all possible support like augmenting application procedure for study leave, facilitating smooth disbursement of funds received, and marshalling various resources. The college ensures a low-stress work environment to help those with research projects.

For details of the on-going and completed research projects, please refer to pgs 73-75.

Research Facilities

Research facilities within campus:

- ❖ There are **5 recognized research laboratories** where advanced research is carried out (M.Phil. and Ph.D. students).
- ❖ The College has a well-stocked library that subscribes to several national journals.
- ❖ Additionally, access to a **large archive of e-resources through INFLIBNET**
- ❖ **8 laboratories for UG students.**
- ❖ Access to **Internet and e-resources through a Wi-Fi-enabled campus** and computer labs with some latest configurations.

Institutional strategies to meet research needs:

The strategy of the College is to identify budding researchers amongst teachers as well as students and then provide them with all-possible logistical support. Realizing advantages of cutting-edge research, the College at its end prods them towards choosing research areas which, in addition to the benefit of society at large, would also help their own institution in some way.

Special grants received, facilities created and availability of external research facilities:

For special grants received, please see pgs 79-81. Central research centres of DBT, STAR, and Business Incubation Centre are going to be set up very soon. University Science Instrumentation Centre of University of Delhi (USIC), IIT Delhi, Institute of Nuclear Medicine and Allied Sciences (INMAS), National Physical Laboratory (NPL), etc. are available to students and research scholars.

3.4 Research Publications and Awards

Major research achievements of the staff and students

Patents Filed by:

Dr. Sunita Bhagat, Department of Chemistry

1. Polymer Alloy (Extrusion Blending), Prakash Singh and Sunita Bhagat, I.P. Appl. No. 905/DEL/91 dated 25 September 1991.
2. Polymer Alloy (Melt Blending), Prakash Singh and Sunita Bhagat, I.P. Appl. No. 906/DEL/91 dated 25 September 1991.
3. Polymer Alloy (Solution Blending), Prakash Singh, Sunita Bhagat and Madhumita Saroop, I.P. Appl. No. 907/DEL/91 dated 25 September 1991.
4. Polymer Alloy Nucleating agent¹², I.P. Appl. No. 214/DEL/93.
5. Polymer Alloy (Mineral filler), Prakash Singh, S.K. Sharma and Sunita Bhagat; I.P. Appl. No. 214/DEL/93.
6. Polymer Alloy (Glass Fibre), Prakash Singh and Sunita Bhagat; I.P. Appl. No. 1151/DEL/91.
7. Polymer Alloy (Ethyl vinyl acetate copolymer), Prakash Singh and Sunita Bhagat, I.P. Appl. No. 179/DEL/92.
8. Polymer Alloy (Sawdust), Prakash Singh and Sunita Bhagat, I.P. Appl. No. 180/DEL/92.
9. Polymer Alloy (Plasticizer), Prakash Singh and Sunita Bhagat, I.P. Appl. No. 181/DEL/92.
10. Polymer Alloy (Acrylates/polyolefins), Prakash Singh and Sunita Bhagat, I.P. Appl. No. 182/DEL/92.

Faculty selected to visit other laboratories/institutions/industries in India and abroad:

1. Dr. Suman Dudeja, Visited ICTP, Trieste, Italy from 5 May 2008 to 21 July 2008 as Junior Associate (3rd Scientific Visit).
2. Dr. Suman Dudeja, Visited ICTP, Trieste, Italy from 27 April 2007 to 14 July 2007 as Junior associate (2nd Scientific Visit).

3. Dr. Suman Dudeja Visited ICTP, Trieste, Italy from 5 May 2006 to 5 July 2006 as Junior associate (1st Scientific Visit).
4. Dr. Vibha Narang was invited by the Belgian Tissue Culture Society and gave an oral presentation and attended the Symposium on “Plant Micropropagation in Horticultural Industries,” 10-14 August 1987, held at Arlon, Belgium.
5. Dr. Vibha Narang presented a paper in the VI International Congress of Plant Tissue and cell Culture, Univ. of Minnesota, USA held between 3-8 August 1986.
6. Dr Swati M. Biswas visited Prof. John Cullum’s laboratory, LB Genetik, Fachbereich Biologie, Universität Kaiserslautern, 67763, Kaiserslautern, Germany under the DST-DAAT exchange programme, July–September 2003.

National Committees:

Dr. Sunita Bhagat

Member, Quick Review of NCERT Text Books for Higher Secondary Stage.

Dr. Jyotika Jogi

Member, Jury Team, INSPIRE, Department of Science and Technology, Govt. of India in 2011 and 2013.

International Committees:

Dr. V.S. Dixit

Member, Technical Programme Committee in ICAST (2014).

Faculty members in Editorial Boards:

Dr. Rajeev Singh

- ❖ Lead Guest Editor, Special Issue “Bioactivities of Organotransition Metal Complexes including Metallocene”, *Bioinorganic Chemistry and Applications* (2014-15)
- ❖ Editor, *International Journal of Energetic Materials*
- ❖ Editor Member, *International Journal of Chemical Synthesis and Chemical Reactions*
- ❖ Advisory board, *World Research Journal of Inorganic Chemistry*

Jyothsnaphanija Bolla

- ❖ Member, Editorial Board, *The Criterion: An International Journal of English*. ISSN: 0976-8165, July 2013 to present
- ❖ Reviewer of *Indian Journal of Comparative Literature and Translation Studies*. ISSN 232-8274, Sep. 2013 to present
- ❖ Fiction Editor, *Miracle Magazine*, Nov, 2013 to present

Dr. Shubha Dwivedi

- ❖ Member, Editorial Board, *Creative Writing And Criticism: An International Bi-annual Journal of English Studies*. ISSN 0975-2390, 2005 to present

Dr. Ram Ratan Prasad

- ❖ Pradhan Sampadak, *Vaad Samvad*, Traimasik Patrika (New Delhi)
- ❖ Sampadak, *University Hindi Journal* (New Delhi)
- ❖ Sahayak Sampadak, *Antarrashtriya Saidhantik Samiksha* (New Delhi)

Dr. Anil Kumar

- ❖ Sah-Sampadak, *Panchtatwa Darshan*, Traimasik Paryavarniya Patrika (2005-2009)
- ❖ Sampadak, *Vaad Samvad*, Traimasik Patrika (New Delhi) 2013 to present.

Dr. Amit Singh

- ❖ *Asian Survey*, Institute of East Asian Studies, University of California, Berkeley
- ❖ *International Relations of the Asia-Pacific*, Oxford Journals, Oxford
- ❖ *Diaspora Studies*, Taylor & Francis, London
- ❖ *Journal of Defence Studies*, Institute for Defence Studies and Analyses (IDSA), New Delhi
- ❖ *China Year Book-2014*, Institute for Defence Studies and Analyses (IDSA), New Delhi

Dr. Indra Mohan Jha

- ❖ Assistant Editor, *Journal of Peace Studies* (New Delhi), October 1994-November 1995
- ❖ *International Journal of Interdisciplinary Studies and Research*. New Delhi (2013-2015)

S.N. Dubey

- ❖ *International Journal of Interdisciplinary Studies and Research*. New Delhi (2013-2015)

For details of M.Phil. /Ph.D. supervision and publications details of faculty members please refer to respective departmental SSRs.

Awards/Recognitions received by Faculty/Students:

Department of Chemistry

Awards Received by Faculty

Sunita Bhagat: 03

- ❖ Awarded Excellence in Teaching and Research Award in December 2014 by Coastal Chemical Research Society, Andhra University, Visakhapatnam
- ❖ Awarded Best Chemistry Teacher Award (Undergraduate category) 2013 by Tata Chemicals and Royal Society of Chemistry and ACT
- ❖ Awarded finalist for Best Chemistry Teacher Award in 2011(Undergraduate category) by IACT and Tata Chemicals

International Travel Awards:

Dr. Rajeev Singh: 04

- ❖ 44th IUPAC Congress, Istanbul, Turkey (2013), Thiohydrazone Complexes of Organotin(IV) with promising Anti-Corrosion and Bioactivity Results (International travel award by UGC)
- ❖ 42nd IUPAC Congress, Glasgow, UK (2-7 August 2009), Organotin (IV) Complexes of thiohydrazones of phenethylamine: Synthesis, Characterization, biological, thermal, corrosion and XRD studies (International travel award by UGC)
- ❖ 40th IUPAC Congress, Beijing, China (14-19 August, 2005); Biological Aspects, Corrosion Inhibition, Thermal & Spectral Characterization of Some Synthesized Organotin (IV) Coordination Compounds (International travel award by DST)
- ❖ Santa Fe, USA (June 25-July 1, 2004), IUPAC XI–International Conference on Coordination and Organometallic Chemistry Of Germanium, Tin And Lead, Organotin (IV) Complexes of Thiohydrazides&Thiohydrazones: Synthesis, Characterization and Thermal Study. (<http://www.gtl-xi.utep.edu/>) (International travel award by CSIR)

Dr. Prashant Singh: 02

- ❖ Postdoctoral Research Award by UGC in January 2012
- ❖ Awarded as Young Scientist by Department of Science & Technology (DST) in July 2011

Dr. Subash Chand Mohapatra: 01

- ❖ D. S. Kothari Post Doctoral Fellowship Award by UGC in 2009

Best Poster Award

Dr. Rajeev Singh

- ❖ M.D. Karkhanavala Award 2006, 15-THERMANS, Indian Thermal Analysis Society (Bhabha Atomic Research Centre), Jaipur, India; “Recent Advances in the Thermal Analysis of Polymer Materials”

Jaspreet Kaur: 03

- ❖ Won first position in poster presentation, “Preliminary studies of degradable 2-hydroxyethyl methacrylate/Cholic acid based random copolymers”, poster presented at two days National Conference on “Emerging Trends in Chemical and Pharmaceutical Sciences” held at Banasthali University, Rajasthan, March 2012/13/15
- ❖ Won second position in poster presentation, “Acrylonitrile-Methyl Acrylate/2-Vinyl Pyridine Copolymers: Prediction of Carbon-13 Chemical Shifts Using Artificial Neural Network” (participated and poster presented at two days National seminar on “Innovations in Polymers towards Sustainability and Growth” held at Bhaskaracharya College of Applied Sciences (University of Delhi), Dwarka, Delhi, March 2-3, 2012
- ❖ Won second position in poster presentation “Acrylonitrile-2-hydroxy ethyl methacrylate/methyl acrylate copolymers: 2D-HSQC NMR studies and prediction of $^{13}\text{C}\{^1\text{H}\}$ chemical shift” at three days National conference on “Polymer for Advanced Technologies” held at National Chemical Laboratory, Pune, December 17-20, 2006

Best paper Award:

Dr. R.K. Gautam: 01

- ❖ “Studies in cyclohexane Series, Part XIX. Synthesis of isomeric 1-carboxy-3,4-dimethylcyclohexane-1- α -alkyl acetic and succinic acid and their resolution into the enantiomeric forms”; R.K. Gautam, G.S. Saharia, J.Inst. Chemists (India), 1984,56, 23-26.

Dr. Subash Chandra Mohapatra: 01

- ❖ S.C. Mohapatra, H.K.Tiwari, B. Rathi, A.Sharma, Mukesh Kumar, Saket Sinha, Shyam Singh Chauhan, “Antimalaria evaluation of Copper(II) nanohybrid solids:Inhibition of Plasmepsin II, a hemoglobin-degrading aspartic protease from Plasmodium falceparum using nonpeptidyl copper (II) nanohybrid solids,” Journal of Biological Inorganic chemistry 15(3) (2010):373-385.

Department of English:

Mousumi Ray: 01

- ❖ Ambassador of Peace Award 2005 (International Federation for World Peace)

Jyothsnaphanija Bolla: 02

- ❖ Satyasri Sahiti Puraskar 2015
- ❖ Penna Writers Association's Ugadi Writers Award 2014

Gautam Choubey: 01

- ❖ Acknowledged as the best paper-presenter at the UGC National Conference "The Indian Vernacular: Languages, Literatures and Histories" held in September 7-9, 2015, Dept. of English, University of Delhi, for his paper entitled "Between the Movements: Hindi Public Sphere in the 1930s."

Department of Electronics:

Dr. Jyotika Jogi: 02

- ❖ Received best paper award by IEEE Xplore, IEEE, TENCON 2014, Bangkok
- ❖ Received best paper award by UKSIM-AMSS, Cambridge University, UK

Dr. Nisha Jha: 01

- ❖ Received best paper award by Instrumentation Society of India, Indian Institute of Science (IISC) 2006, Bangalore, India

Department of Commerce:

Baljeet Kaur: 01

- ❖ Received the prestigious Teaching Excellence Award from the Honourable Vice Chancellor, University of Delhi in the Academic session 2013-2014 for the foundation course *Business, Entrepreneurship and Management* under FYUP.

Geetanjali Batra: 02

- ❖ Awarded Prof. T. S. Grewal Award for best paper presented in National Conference organized by Shaheed Bhagat Singh College (M), University of Delhi in 2012
- ❖ Received Best Project Award in 2015, for a team project presented in a Faculty Development Programme, organized by Department of Financial Studies, University of Delhi

Awards/Recognitions Received by Students:

- ❖ **Angad Agnihotri**, was awarded Prof. A. B. Ghosh Prize at the 90th annual Convocation held on 19th March, 2013 for obtaining the highest percentage of marks in B.Com course of University of Delhi

Department of Hindi:

Dr. Gyantosh Kumar Jha: 01

- ❖ Ambassador of Peace Award 2005 (Universal Peace Federation)

Dr. Rashmi Bahl: 02

- ❖ Dr. Lakshmi Narayan Sudhanshu Award 1991-1992 (Rajbhasha Vibhag, Bihar Govt.)
- ❖ Savita Puraskar 1993-1994 (Bhartiya Sahitya Sangam, New Delhi)

Department of History:

Dr. Vishwa Mohan Jha: 01

- ❖ Visiting Fellow at School of Oriental and African Studies, University of London 2005.

Dr. Brahma Nand: 01

- ❖ UGC Research Scientist A (1985-89)

Dr. Syed Mubin Zehra: 01

- ❖ Sambhavna Samman for the year 2014 for work for women and society.

Awards/Recognitions Received by Students:

- ❖ Amit Chaudhary (2005-08)- University topper (Hons course)

Department of Physics:

Dr. Aranya B. Bhattacharjee: 06

- ❖ Awarded short term fellowship (2006) of DAAD, Germany to visit the research group of Prof. Robert Graham, University of Essen, Germany
- ❖ Awarded the Endeavour Research Fellowship of the Australian Government for a 6 month research position at the Nonlinear Physics Center, Australian National University (2007), Group of Professor Yuri Kivshar
- ❖ Awarded 15 months Guest Scientist position at the Max Planck Institute for Physics of Complex Systems, Dresden, Germany (2007-2008)
- ❖ Awarded short term fellowship (2011) of DAAD, Germany to visit the research group of Dr. Axel Pelster, Freie University, Berlin, Germany
- ❖ Visited the research group of Prof. Tobias Brandes, Technical University of Berlin, Germany under DFG grant, June 2012
- ❖ Is selected as University Grants Commission-Associate Professor under the UGC-Faculty Recharge Programme

Department of Political Science:

Dr. Anamika Prasad: 02

- ❖ Awarded Ambassador for Peace by the Universal Peace Federation
- ❖ Visiting Researcher at the Bandarnaike Centre for International Studies (BCIS), Colombo, Sri Lanka, September 2010

Table 3.2 Department-wise details regarding total citation, impact factor, Peer-reviewed Publications and Books

Name of the Department	Number of Peer-reviewed Publications (National/ International)	Chapter in Books	Books Edited	Books with ISBN/ ISSN	Citation Indices	Range of Impact Factor
Chemistry	192	03	02	06	Citation-1439 h-index- 20 i-10 index-45	0.4-8.02
English	28	11	0	03	Citation-1 h-index-1 i-10 index-Nil	0.305-5.632
Economics	25	06	02	02	Citation- Nil h-index- Nil i-10 index- Nil	0.196 – 5.09

Name of the Department	Number of Peer-reviewed Publications (National/ International)	Chapter in Books	Books Edited	Books with ISBN/ ISSN	Citation Indices	Range of Impact Factor
Electronics	77	0	0	0	Citation-76 h-index-6 i-10 index-1	03-5.28
Commerce	73	02	0	02	Citation-13 h-index- 2 i-10 index- Nil	0.305-5.632
Computer Sciences	45	0	01	0	Citation-53 h-index-3 i-10 index-1	0 - 2.7
Hindi	50	07	02	25	Citation- NA h-index- NA i-10 index-NA	0.409-3.156
History	20	05	01	11	Citation-12 h-index- 2 i-10 index- 0	----
Zoology	11	0	0	0	Citation-56 h-index- 04 i-10 index- 0	0.752-2.298
Botany	02	0	0	0	Citations: 109 h-index- 03 i-10 index- 02	0-2.936
Physics	92	09	01	08	Citation-1256 h-index-15 i-10 index-28	0.0-8
Political Science	42	24	0	03	Citation-8 h-index-1 i-10 index- 02	0-3.2
Mathematics	15	10	0	02	Citation-45 h-index-1 i-10 index-0	0.206-2.401
Sanskrit	02	0	0	03	NA	NA

3.5 Consultancy

Institute–industry interface:

At our College, **the institute–industry interface** mainly revolves round the activities of the Placement Cell. The Cell has evolved as a platform for establishing linkages at an extra-organizational level through increased interactions with the industry and the corporate world. It has conducted many programmes such as interactive sessions, panel discussions and guest lectures. **Placement talks are held regularly** in the College in order to open up employment opportunities for students. We are currently in the process of forging stronger ties with the corporate world. Popular Lecture Series also help widen industry exposure. Bringing students in contact with highly-placed professionals is creating better awareness of the dynamics of modern industrial work culture. Additionally, towards better institute–industry interface, these two initiatives are sure to yield positive results soon:

- ❖ In **collaboration with M/o MSME**, the College is in the process of establishing a **Business Incubation Centre**. This initiative is the first of its kind in University of Delhi and it aims at enhancing skills—both technical and entrepreneurial, among the students.
- ❖ The University of Delhi has an MoU with the National Skill Development Corporation (NSDC). ARSD is one of the 21 affiliated Colleges to have a Skill Development chapter in its premises. It is currently the **cluster centre of the South Campus branch with a faculty member functioning as the Nodal officer**. The College has **advertised two skill development courses**, Telecom and IT & ITES skills, and is awaiting student registration. The Centre will impart valuable vocational skills to students in addition to deepening industry interaction.

Consultancy, advocacy, and publicity of expertise and revenue generated

The College is yet to evolve suitable mechanisms for promotion of consultancy, advocacy and publicity of expertise. However, as enumerated in Section 3.4 the faculty is involved in running individual projects and supervising research; a portion of funds of which is remitted into College accounts.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

As major stakeholders, students are well-represented and engaged in very many activities, cells, committees and societies of the College. Altruistic world-view of its founders continues to influence the College's present-day decisions and the College is committed to create strong ties with the society at large. College societies and various outreach and extension activities contribute towards our **Institutional Social Responsibility (ISR)** in the following manner:

National Cadet Corps:

Students are encouraged to participate in large numbers and imbibe the spirit of selfless service, dedication, and commitment to the nation through the good offices of the ARSD NCC branch. The ARSD NCC branch is affiliated to the **7 Delhi Battalion under Group C of Delhi NCC Directorate**. All the planning and implementation is done by the Directorate/Group. The College maintains two Platoons of the NCC (Army wing). Our students (both boys and girls) also join Air and Naval wings of NCC. The cadets are eligible to train for B and C-level certification, which come with mandatory requirements. The NCC, through its rigorous training processes, prepares students for a potential career in the para-military and armed forces as well as instils in them tenets of conscientious citizenry. They are actively involved in community outreach and extension activities as per the directives of the Headquarters.

National Service Scheme:

The NSS unit of the College is engaged in many community activities. Chief among these are adult literacy, blood donation camps, **working with Blind Relief Association and Spastic Society**, campaigns against drug abuse and projects related to environmental issues.

Some examples of their recent activities:

- ❖ In October 2015, a **Pink Chain campaign on Cancer Awareness** was organized and the chief co-ordinator of the campaign, Dr. Abhishek Shankar (AIIMS), delivered a talk on the modalities of cancer screening.
- ❖ On 14 February 2015, **WDC and NSS jointly organized a march to sensitize people living in and around Satya Niketan regarding the recently launched “Beti Bachao, Beti Padhao Aandolan,”** an initiative of Government of India to promote female education towards eradication of problems like female foeticide, gender discrimination, dowry harassment, etc. On this occasion, volunteers from the team also distributed hand towels, sanitizers and refreshments among villagers.
- ❖ In January 2015, NSS volunteers participated in a special programme for women’s empowerment with the title **“Agle Janam Mohe Bitiya Na Kijo,” organized by Focus News.**
- ❖ On 12 August 2014, on the occasion of **International Youth Day**, an art-work competition was organized in association with **Delhi AIDS Control Society**. Students from more than 20 colleges participated in the event.
- ❖ In September 2013, a blood donation camp was organized in association with Samruddha Jeevan Foundation.
- ❖ Students from the NSS unit attended a **one-month training programme on IT & Communication Skills organized** in the College by National Skill Development Centre (NSDC), Government

of India. 22 students qualified and were offered jobs from various companies in related fields.

- ❖ In 2013-14, NSS Volunteers **adopted a night shelter under** the guidance of Dr. Sanjay Singh Baghel. These students collected clothes, food and other necessary items for the destitute, to help them combat the extremities of winter season.
- ❖ In 2013-14 again, the College students actively **volunteered to donate books, winter clothes and other useful things to the residents of Prerna Shelter for Homeless in Safdarjung** area in collaboration with the NGO, Leaders for Tomorrow. Some students also organized night classes for the education of street children.

In addition, various College societies contribute towards creating awareness about pressing social and environmental concerns, staging resistance to oppressive practices, and serving as conduits of positive change.

Rangayan:

The Dramatics Society, **Rangayan**, was founded a decade ago with the aim of inculcating in the students an appreciation for theatre and dramaturgy as well as highlighting collective conscience as an imperative. In **ten years since its inception**, the Dramatic Society of ARSD College has worked towards staging productions that serve to entertain and educate. Its extension activities in 2013-14:

- ❖ In October 2013, in collaboration with Women Development Cell, it presented a play *Triya Trasadi* raising awareness about sexual harassment of women.
- ❖ In a competition organized by the National Book Trust, it performed the play *Badloge toh Badlega* bringing forth **issue of e-waste management** at the German Embassy. There also was a well-received public performance of the same at Dilli Haat.
- ❖ A street play titled *Bhookh* themed on sexual abuse of children was staged at St. Columba's School, for the underprivileged. It was an initiative by UNICEF and the NGO Protsaahan.
- ❖ Three public performances of the street play *Khule mein Shauch, Kabhi Na Soch* were held at St. Columba's School, Uttam Nagar slum area, and at the UNICEF office.

Women Development Cell (WDC):

The Women Development Cell was instituted at ARSD College with the objective to mainly empower female students of this College. It energizes students in their fight against cultures of oppression. The Cell believes in strengthening students by creating awareness about socio-political, cultural, legal perspectives through talks, workshops and symposia. Through its myriad activities, e.g., street-plays, creative writing, poster-making, debates, movie-

screenings, and group-discussions, the WDC sensitizes and educates female students in a holistic manner. Major initiatives include:

- ❖ **A Gender Sensitization Workshop** was held on 28 October 2015. The panel was composed of Dr. Charu Wali Khanna, Former member, National Commission of Women and Advocate, Supreme Court of India; Sumedha Dwevedi, SSP, National Human Rights Commission, and Abha Kumar, General Secretary, Healing India (NGO dedicated to the empowerment of women).
- ❖ The College organized a **Yoga workshop**, titled “Yoga for Spiritual and Mental Well-Being,” exclusively for the female students of the College during 13-14 February 2015.
- ❖ On 12 February 2015, a **talk was delivered by Ms. Suman Goyal (IPS) DCP, SW Delhi** on the theme “Women Empowerment: Perspectives and Challenges”.
- ❖ A **ten-day self-defence training course for Girls** was organized in the month of October, 2014, **in collaboration with Crime Against Women Cell of Delhi Police** in the College. Efforts are on to make this an annual event.
- ❖ **Shakti Vahini**, a national level voluntary organization working for defending and promoting human rights of citizens conducted a **sensitization programme** in October 2014. The programme apprised College students about child trafficking and sought their help in combating the menace.
- ❖ In February 2013, the **College Complaints Committee in collaboration with WDC organized a programme titled “Women: How Far from Holding Half the Sky?”** on gender sensitization. It included a poster-making competition, a documentary film screening, and **talks by Ms. Meenakshi Lekhi and Ms. Vinay Bhardwaj**.
- ❖ The WDC organized **screenings of documentary films** on women empowerment such as *Petals in the Dust: The Endangered Indian Girls*, *Save the Girl Child*, *Dheeyan*, *India’s Missing Girls*, and *Because I am A Girl Child*.

Equal Opportunity Cell:

The EOC of ARSD College was established in 2008 to address the **issues related to SC, ST, OBC, Minorities and the differently-abled**. The main objective of the Cell is to ensure equitable and barrier-free access to all amenities, and fulfil statutory requirements. The College has acquired learning material in Braille script and has constructed ramps and customized washrooms. Various other instruments and equipment for the ease of differently-abled students have also been procured.

Eco Club:

The **Eco Club** promotes environmental causes and works actively to create a more ecologically sensitive environment in College. As detailed in pgs 73-75, members have been involved in various awareness campaigns, and advocate sustainable methods.

Gandhi Study Circle:

The College has a **vibrant Gandhi Study Circle** that aims at popularizing Gandhian thoughts and principles among teachers and students. It organizes talks, movie screenings, debates and discussions with eminent writers and thinkers to underscore the relevance of Gandhism.

Film Appreciation Society:

Upholding the importance of visuals in the education of young minds, the College has a dynamic Film Society which organizes movie screenings on a regular basis. Award-winning, thought-provoking, deliberative and stimulating movies from all over the world are showcased for the benefit of students.

Activities of students' union and Cultural society have been detailed in criteria 5 and 6.

The budgetary details are as follows:

Budgetary details of major extension and outreach programmes in last four years:

Year	2012-13		2013-14		2014-15		2015-16	
Name of Society	Income (Rs.)	Expenditure (Rs.)						
NSS*	80,960	80,960	90,780	90,780	94,480	94,880	87,300	87,300
NCC	1.97 lakhs	1.85 lakhs	2.19 lakhs	1.48 lakhs	4.21 lakhs	4.16 lakhs	4.21 lakhs	Nil
Rangayan	4.04 lakhs	3.62 lakhs	4.57 lakhs	4.33 lakhs	9.08 lakhs	8.73 lakhs	8.70 lakhs	1.56 lakhs
WDC**	Nil	29,423	Nil	14,764	Nil	12,734	Nil	Nil
Student Union	6.06 lakhs	4.04 lakhs	1.09 lakhs	1.06 lakhs	9.71 lakhs	8.82 lakhs	9.24 lakhs	Nil
Cultural Society	6.28 lakhs	5.54 lakhs	5.72 lakhs	5.69 lakhs	9.77 lakhs	9.69 lakhs	9.21 lakhs	Nil

***Entire proceeds collected from the students are remitted to the University.**

****Women's Development Cell is covered under Students' Societies. However, the College provides funds periodically for the activities conducted by it.**

Institutional mechanism to track students' involvement in various social movements:

- ❖ The NSS, the NCC and other societies have faculty and student coordinators/office bearers, who are in charge of enrolment and registration. In addition, all campaigns and events run by them are monitored to gauge and ensure student involvement.
- ❖ Each Society has faculty advisors who oversee student participation. Student office bearers have detailed lists of members and volunteers. Workshops and orientations require students to register in advance. Members of the faculty are actively involved in the implementation of the programmes, enabling the institution to encourage the level of engagement.

Stakeholder perception on institutional performance and quality:

- ❖ While third year students are invited to leave a detailed feedback on their experience, the College is also working at systematizing feedback channels involving all stakeholders.
- ❖ The faculty and staff are able to voice their opinion regarding College activities and schemes in committee meetings, Staff Association and Managing Committee meetings, as well as in Staff Council sessions. Likewise, non-teaching staff discuss and debate their concerns both at their own **democratically elected Karamchari Union** and also other fora.
- ❖ Principal encourages all stakeholders to personally contact him through complaint box, e-mail/phone, incognito if need be.
- ❖ The College has a **Grievance Redressal Cell and an Internal Complaints Committee** to resolve issues that may arise, if any.
- ❖ Alumni as well as members of the general public often leave their feedback in an informal manner.
- ❖ In this process, the College website regularly updates lists of events and activities taking place in the College; in addition, **Prospectus, the College Magazine and newsletters, Information Booklet, and the Annual Report** are widely distributed.

Participation of students and faculty in extension activities:

- ❖ Students enthusiastically participate in myriad extension activities. Most faculty members are heading various College societies overseeing such activities and contribute to their successful functioning.
- ❖ The College at its end gives certificate of participation for activities organized by the NSS, NCC and other societies. It also widely publicizes their campaigns and the benefits of being involved in their activities.

Objectives and outcomes of extension activities:

The objective of extension activities is to create a connection between the world of precepts and principles and that of lived reality. The aim is to:

- ❖ highlight the socio-economic, legal, and gender disparities faced by a majority of the population;
- ❖ create awareness about these concerns within the College community as well as the general public; and
- ❖ attempt to redress the imbalance of power and privilege.

The involvement of students in these activities allows them to observe, first-hand, the iniquitous division of resources. The initiatives undertaken help them develop their leadership abilities, activate their sense of moral obligation, and witness the difficulties of putting in place the foundations of sustainable growth.

Initiatives of the institution that encourage community participation:

In 2014, the College created two teams to work towards a model of female empowerment. While Team Indrani was oriented towards working with women inside College premises, Team Agrani's brief was to evaluate the needs of women in slum clusters around the College and create awareness about health, sanitation, and other socio-economic issues.

- ❖ In January 2015, Team Indrani organized a two-day communication skills workshop for female students of the College, titled "Empowering Women through Skill Development." The workshop aimed to impart a valuable professional skill by enhancing their communicative competence and emphasize its role in conflict resolution as well as effective team building.
- ❖ This team also started working with the children of labourers working inside the premises, with the objective of equipping them with the basics of primary education, along with an awareness of hygiene and health issues. The students, through story telling sessions, nursery rhymes, and other activities, tried to create enthusiasm for learning as well as inculcating moral values in the children.
- ❖ **Team Agrani went into Satya Niketan JJ cluster area to better understand the life and working conditions of women in that locality.** After surveying and analysing the situation, the students sought to instil in the women an understanding of health concerns while encouraging them to become aware of their political and legal rights. These women were also made cognizant of the Prime Minister's Jan Dhan Yojana and encouraged to open zero-balance accounts, an important step towards their financial well-being.
- ❖ Members of Team Agrani also worked towards raising awareness on the issue of female foeticide within the slum clusters, aligning themselves with the "**Beti Bachao, Beti Padhao**" Andolan.

In accordance with the mission of the Ministry of Urban Development to clean India, the College started a cleanliness drive under the banner of “Swachha Bharat” within the campus and in the surrounding areas. As part of the enterprise, new garbage bins were installed in the College and the old ones were cleaned and marked for storing different types of garbage. The College has also evolved a method for waste collection and treatment. Local residents were invited and encouraged to organize and participate in clean up drives in the neighbourhood of the College.

Relations with other organizations:

- ❖ **Rangayan** has collaborated with **UNICEF** and the **NGO Protsahan**
- ❖ **WDC** has collaborated with the **Crime Against Women Cell of Delhi Police**
- ❖ **WDC** has collaborated with **NGO Shakti Vahini**
- ❖ **NSS** has collaborated with the **NGO Leaders for Tomorrow**
- ❖ **NSS** has collaborated with the **Delhi AIDS society**
- ❖ **NSS** has collaborated with **Samruddha Jeevan foundation**
- ❖ **College** is collaborating with the **National Skill Development Corporation**

3.7 Strategic Collaboration and benefits accrued

Benefits of our collaboration with other institutions have already begun to accrue. For instance, under STAR College Project, over 80 students and faculty members recently visited ONGC premises at Dehradun, gaining valuable insights.

MoUs with other organizations and institutional development:

- ❖ In collaboration with M/oMSME, the College is in the process of establishing a Business Incubation Centre.
- ❖ Recently the College has been awarded STAR COLLEGE funding under the scheme launched by Department of Biotechnology (DBT), Ministry of Science and Technology, Govt. of India. The departments of Physics, Chemistry, Mathematics and Biology have been granted support under the programme. Under this scheme the College has received financial support for improving and enhancing critical thinking and experimental work in the technologies needed for biological studies and undergraduate level in life Sciences (Rs. 47 lakhs in 3 years).
- ❖ ARSD has recently established a local chapter of the University of Delhi Skill Development Centre, set up after a MoU with NSDC.

Industry-institution-community interactions that have contributed infrastructure upgradation:

Though industry-institution-community interactions is constantly on an upswing, it has not contributed to any infrastructural upgradation yet; it is instead resulting in optimal use of our existing infrastructure. Law Centre II (University of Delhi) classes are held in our premises from 6 pm onwards. School of Open Learning (SOL) of the University of Delhi holds its classes on Sundays and holidays. In addition to this, IGNOU counselling sessions are held for postgraduate and MBA programmes on Sundays. Because of its prime location, our College is a favoured choice of various universities and government bodies for holding entrance and competitive examinations.

Although the College is in the process of finalizing details on a Skill Development Centre and a Technology Accelerator, however, funds for ongoing infrastructure upgradation is coming only from College development fund and OBC expansion plan.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

The **12.31 acre sprawling campus** has a **total built-up area of 4,682 sq. mts** inclusive of 428.4 sq. mts in the commerce block.

The following infrastructural facilities are available for effective teaching and learning:

- ❖ A total of **13 science laboratories**, out of which **5 are recognized by the University of Delhi as research lab for Ph.D./M.Phil. students**
- ❖ **3 computer labs** equipped with **100 computers** and internet facility
- ❖ **40 classrooms**, of which **25 are ICT-enabled**
- ❖ **Seminar room with a seating capacity of around 200** and fitted with state-of-the-art audio-visual equipment
- ❖ A newly built **atrium** which can accommodate over **500 students**
- ❖ **IQAC Room**
- ❖ **Department rooms**
- ❖ **Placement Cell**
- ❖ **Staff room with a pantry**
- ❖ **Students' Union Room**

The following **additional facilities** are also available in the College:

- ❖ **Sports Room**
- ❖ **A canteen** that provides affordable and hygienic food
- ❖ **NCC room**
- ❖ **Gymnasium** furnished with equipment such as treadmill, bench-press and other weight equipments
- ❖ **Medical room** with bed, stretcher and necessary first-aid medicines
- ❖ **Girls' common room**
- ❖ **Boys' common room** which is also used for rehearsals for various cultural events
- ❖ **A herbal garden** with medicinal plants such as tulsi, aloe vera, lemongrass, giloy, etc.

In addition to these, the following facilities have been **proposed** under the infrastructure expansion scheme:

- ❖ An **open air amphitheatre** which can be used for street plays, demonstrations and concerts
- ❖ A **mini auditorium, with a seating capacity for around 400**. The facility will be used for theatre performances, seminars, workshops, etc.
- ❖ **Research Block** and additional **reading space** for teachers
- ❖ **Student Activity Centre (SAC)** and **Student Utility Centre**
- ❖ **Sitting space around the sports ground**
- ❖ **Girls' Hostel**

Optimum Utilization of Infrastructure:

It must be mentioned here that the College building is being put to optimal use. In addition to the regular classes, from 8:30 am to 5:50 pm, the infrastructure is used for the following:

- ❖ **Campus Law Centre II after 6:00 pm**
- ❖ **IGNOU classes on Sundays and public holidays**
- ❖ **School of Open Learning on Sundays and public holidays**
- ❖ **Centre for Offline Centralized Registration for admissions to Delhi University**
- ❖ **Central Evaluation Centre of the University of Delhi** (for both semesters)
- ❖ **Sports ground to organize inter-college events**

Infrastructure and facilities to meet the requirements of differently-abled students:

The institute is committed to make the stay of differently-abled students comfortable. To this end, the following steps have been taken:

- ❖ **Construction of Ramp** connecting the upper floors of the building
- ❖ **The library is located on the ground floor**, hence easily accessible to differently-abled students
- ❖ **Reading material in Braille script**
- ❖ **Sensitization of College staff** about students with special needs
- ❖ Availability of **wheelchairs**
- ❖ **Ground floor seating arrangement** for students with special needs
- ❖ **Customization of washrooms** to the convenience of such students

Water, Sanitation, Health and Security:

Health, sanitation and availability of safe drinking water have always been prioritized by the College.

- ❖ Easy availability of safe drinking water has been ensured with **installation of many water purifiers.**
- ❖ Cleanliness in washrooms is maintained by **14-strong cleaning staff and 1 supervisor of Sulabh International Social Service Organization.**
- ❖ Our security is outsourced to private security services. A team of **14 guards and 1 gunner** look after security throughout the campus, round-the-clock. Apart from manning the entrance, they also help with maintenance of discipline of the various floors of the College building.
- ❖ The College has arrangements for first-aid in its **medical room** which is managed by a **medical attendant and NSS volunteers.** Its facilities are available for the staff as well as the students inside the campus. In case of a medical emergency, patients are rushed to **University of Delhi South Campus Health Centre**, which is adjacent to the College or alternately to nearby government hospitals.

4.2 Library as a Learning Resource

The **total carpet area of the College library is 474 sq. mts, out of which 200 sq.mts is earmarked as reading space for students. Using mezzanine slabs, an additional space of 177 sq. mts is being developed towards reading space for teachers and to add more stacks to the library.**

Table 4.1 Library Expenditure Between 2011-15

Library holdings	2011-12		2012-13		2013-14		2014-15	
	Number	Total Cost						
Textbooks	1,920	6,38,472/-	1,346	5,23,644/-	2101	5,05,063/-	1,471	5,00,245/-
Reference Books	82	24,556/-	14	3,418/-	61	25,641/-	47	23,270/-
Journals/ Periodicals	49	37,735/-	50	36,630/-	53	47,936/-	51	54,435/-
e-resources	INFLIBNET	5,000/-	INFLIBNET	5,000/-	INFLIBNET	5,000/-	INFLIBNET	5,000/-
Any other (specify)								

The library has over 1,07,000 books out of which about **45,936 are textbooks.** It subscribes to **46 journals**, 19 news papers and 29 magazines. It remains open from 9.00 am to 5.30 pm on all days except Sundays and holidays. Some of the important ways in which the library augments the teaching-learning process includes the following:

- ❖ **Library access for teachers:** Each teacher is given 10 library cards. Textbooks are issued to the teachers for a longer period. Reference

books are accessible for both students and teachers. In addition, teachers get the opportunity to recommend books, which they need.

- ❖ **Adequate availability of textbooks:** This helps the College respond to occasional shortage of textbooks in the market. Till the time such a shortage is addressed by the booksellers/publishers, students are encouraged to issue books from the library.
- ❖ **Year-round working of the library:** By remaining open during the examination time as well as vacations, the library helps the students in their preparation and also enables the teachers to utilize its services without being inconvenienced.

While we provide access to library collection through SOUL 1.0, **we are in the process of upgrading it to SOUL 2.0.**

Some of the features of our library circulation are as follows:

Average number of walk-ins

600/day

Average number of books issued/returned

340/day

Ratio of library books to students enrolled

250/student

Average number of books added during last three years

5040/annum

Books are issued on first come first served basis. The library staff is always accessible and ready to assist students and staff in locating books. A team of supporting staff is also available to help the faculty members as well as the students in the library. The departments and the College library have created a book bank and needy students are permitted to borrow books for the whole session.

Library Committee:

The management of the College library and procurements are **governed by an inter-departmental committee called the Library Advisory Committee.** The following are its major responsibilities:

- ❖ The committee formulates development plans and recommends facilities for implementation.
- ❖ It prepares the **annual library budget** and allocates funds in proportion to the strength of the different departments.
- ❖ It creates **reading provision for the differently-abled** students.
- ❖ Books, recommended by faculty members, are purchased only after approval of the library committee.

- ❖ The committee gives guidelines for the procurement of internet journals, hardware and software necessary for the Library.
- ❖ The committee ensures the optimal use of library facility by staff and students.
- ❖ The committee organizes visits to national and international book fairs. It also visits these exhibitions to identify and recommend new titles.
- ❖ It ensures the availability of latest syllabi in the library, in addition to previous years' question papers, textbooks, etc.
- ❖ It takes up remedial action towards the grievances expressed by the students and staff.
- ❖ It consults faculty members and enquires after their respective requirements.

Facilities offered to the Visually/Physically Challenged People:

Assistance is provided to the physically/visually challenged persons in locating and procuring books and other study materials. They are also given top priority while issuing books. The College provides the following additional facilities:

- ❖ **Angle Pronote**
- ❖ **Earphones**
- ❖ **Tape-recorders**
- ❖ **CDs**
- ❖ **Cassettes**
- ❖ **Students' Aid Fund (SAF) books**
- ❖ **Wheelchairs**

To collect feedback from the users, a **complaint/suggestion box** is placed in the library. This is in addition to the **registration book** through which inputs are sought from the visitors. Recommendations/grievances are looked into by the library committee and efforts are made to implement/address them.

4.3 IT Infrastructure

The College has **four well-equipped computer labs** with a **total built-up area of 168.17 sq. mts** and a **carpet area of 140.53 sq. mts**. A majority of our rooms are ICT-enabled. **Of the 40 classrooms in the College, 25 are equipped with projectors.**

Table 4.2 Details of IT Infrastructure

System/Specification	Configuration	Quantity
Acer Server- Intel Xeon 5500 family (<i>Provided by DU</i>)	Intel (R) Xeon (R) CPU, E5620@ 2.40 Ghz x 2 Processors 8 GB RAM (DDR3 2gb x4), 600 GB (300 gb x 3 HDD (10 K) Power Supply-2, Raid card SAS + Riser card, SAS Back plain for HDD. Monitor-Acer 18.5” TFT, Acer keyboard, Acer mouse	02
Acer Veriton M200 (<i>provided by DU</i>)	Processor- AMD Phenom™ IIx4 810 Processor 2.60 Ghz RAM – 2.00 GB System Type – 32 Bit operating system Hard Disk- 250 GB Monitor – Acer 18.5” TFT , Acer keyboard, Acer mouse	80
HP Compaq dx2700 Microtower (<i>provided by DU</i>)	Processor-Core 2 Duo E660, 80 Gb HDD, 512 MB Ram Monitor-HP 15” TFT, HP Keyboard & Mouse	20
Compaq Presario P4 (SR1732 IL)	Processor-Intel P4 3.06 Ghz, 256 MB RAM, 160 GB HDD, Monitor-Compaq 17” CRT, Compaq Keyboard & Mouse	03
Compaq Presario P4 (SR1530 IL)	Processor-Intel P4 3.06 Ghz, 256 MB RAM, 80 GB HDD, Monitor-Compaq 17” CRT, Compaq Keyboard & Mouse	12
Projector	Hitachi Projector (<i>provided by DU</i>)	01
Printer	LaserJet M1136 MFP	01
	HP LaserJet 1022	02
	HP LaserJet 1020	02

System/Specification	Configuration	Quantity
Switch/LIU with Rack	HCL edge Switch (24 TMS-2 GCS)	01
	3-COM baseline Switch-24 port Layer-2 <i>(Provided by DU)</i>	01
	DLink-Managed switch-24 ports <i>(Provided by DU)</i>	04
	LIU <i>(Provided by DU)</i>	03
Wireless Switch with Rack	Ruckus wireless Zone Director ZD1000 <i>(Provided by DU)</i>	01
	NetAcess-8 ports POE Gigabit Switch <i>(Provided by DU)</i>	01
	DLink Switch -16 ports <i>(Provided by DU)</i>	02
	HCL Switch-24 ports	01
Patch Panel	Digilink 24 ports cat 6	05
Access point <i>(Provided by DU)</i>	Ruckus Indoor AP ZF-7962 with mounting kit (connected with the networks)	11
	Ruckus Outdoor AP 7731 (connected with the networks)	04
Networks	Networking of computer systems	102
UPS	2 KVA UPS System (NUMERIC) with 08 Batteries of 12V 18AH SMF <i>(Provided by DU)</i>	02
	10 KVA UPS System (NUMERIC) with 16 Batteries of 12V 18AH SMF <i>(Provided by DU)</i>	03

There are **16 computers** in the administration and account departments and **100 other units** with access to **Internet through both LAN and Wi-Fi.**

There are **7 licensed software** available, which are listed below:

- ❖ **MS Office 2010**
- ❖ **Mathematica**
- ❖ **Turbo C++**
- ❖ **Mat Lab**
- ❖ **Microsoft Visual Studio**
- ❖ **SPSS**
- ❖ **SEPP**

The College provides **central computing facility** to all faculty members and students from 9:00 am to 5:00 pm on all working days for their subject-based, research-based, and assignment-based solutions.

The College intends to upgrade its IT infrastructure and associated facilities by purchasing new software, hardware and updating available PCs with latest configuration available in the market. **Software training programmes** are also organized for faculty members and students.

4.4 Maintenance of Campus Facilities

For the maintenance of campus facilities, the College has a **Campus Improvement Committee**. On the basis of the **perspective development plan**, proposals for infrastructural augmentation are drawn by the College Building Committee. At the time of planning, student strength and the nature of academic programmes offered by the institution are factored in.

For general maintenance and repairs, the College has a **development fund** and there are well established procedures and systems for utilizing these funds:

- ❖ To augment sports facilities and maintenance of College grounds as well as different sports activities, there is a **Sports Board** with the **Director/Physical education** as its convener.
- ❖ **Library Development Fund** is utilized on the recommendation of the librarian. However, in the absence of the librarian, the Building Committee is currently entrusted with the responsibility to utilize this fund.
- ❖ For computers, the work of facility augmentation/maintenance is carried out by College administration on the recommendation of the Computer Science Department.
- ❖ For classrooms and the rest of the premises, the caretaker and the administrative officer are responsible.

Funds allocated for maintenance are utilized for planned activities. The store section takes care of the regular purchase needs. The indents raised by the concerned departments are sent to the administrative officer and the caretaker after being sanctioned for necessary action.

While day-to-day maintenance is carried out by the existing staff, non-repairable systems are placed in storage and later auctioned off as scrap. The

laboratory equipments are maintained through the College Development Fund and annual grants received from the UGC and the Government of India.

Computers and electronic devices are maintained and repaired through the funds available in the institution. Outside vendors are contacted for major repairs and for minor repairs the College has access to the **UGC instrumentation and maintenance lab**.

The College has regular power supply from Delhi Electricity Board within the Campus. Voltage stabilizers have been installed for the protection of sensitive equipments.

Maintenance of sensitive electrical equipment is done through the Annual Maintenance Contract while minor repair works are carried out through the complaint register system which has recently been automated.

CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

Mentoring:

Since 2014-15, the College has started mentoring groups. According to this scheme, groups of students are assigned to different teachers who work as their mentors. The mentor-mentee ratio for the academic session 2015-16 is 1:23. The smaller group size enables the mentor to give sufficient time to their mentees. These mentorship sessions are not limited to the students' academic concerns alone, but they also cover their problems and **anxieties related to their personal lives, their socio-psychological issues, residential and parental issues**, etc., which may hamper their studies. These sessions are meant for the overall development of the students. During these sessions mentors try to inculcate human values in the students and tutor them in professional ethics and responsibilities. Mentors make their mentees aware of their rights as well as their duties, help students become environmentally conscious, and also counsel them on physical fitness and other health-related issues.

Support:

Students are supported with all the **College related information** via various channels, such as

- ❖ University and College website
- ❖ Print media
- ❖ TV and Radio
- ❖ Open Day Sessions
- ❖ Prospectus/Handbook
- ❖ College notice boards
- ❖ Annual Report/Information Brochure
- ❖ Trilingual College magazine *Udyachal*
- ❖ English newsletter *Synergy* and Hindi newsletter *Samanvay*

Information about the College is widely disseminated, details of which are provided on pgs 53-54.

Institutional Scholarships/Freeships:

The College offers various scholarships and prizes to inspire the students. Some of these are:

- I. Atma Ram Chadha Memorial Scholarship (Position Holder in University Examination)
- II. Sultan Chand Memorial Scholarship in the form of book aid (B.Com. Hons, IInd and IIIrd Semesters)

- III. Naresh Kumari Memorial Prize (B.A. Hons Hindi, IIIrd Semester)
- IV. S.K. Batra Memorial Prize (Best Student of B.Sc. Hons Physics and B.Sc. Physical Science Electronics)
- V. Sanjeev Arora Memorial Prize (Best Student of B.Sc. Hons Computer Science)
- VI. Jitender Arora Memorial Prize (Best Student of B.A. Programme)
- VII. C.L. Suri Memorial Prize (Best Student of B.A. Hons Political Science)
- VIII. Rukman Tara Memorial Prize (Best Student of B.Sc. Hons Chemistry)
- IX. Inder Raj Dhawan Memorial Prize (Best Student of B.Sc. Hons Physics)
- X. Raj Kumar Dhawan Memorial Prize (Best Student of B.Sc. Hons Electronics)
- XI. Dr. Manju Dhawan Memorial Prize (Best Student of B.A. Hons Hindi, VIth Semester)
- XII. The Governing Body **has recently approved the institution of Sham Sunder Arora scholarship of Rs. 2000/- per annum for the topper of B.A. (Hons) Economics, Final Year.**
- XIII. Apart from these scholarships and aid to the students, there are a number of prizes given to the students for their academic excellence.
- XIV. **In the year 2014-15, a total of Rs. 1.22 lakh was distributed among 92 students as financial assistance from the Students' Aid Fund and more than 100 students were recommended for book aid facilities. For the session 2015-16, the grants-in-aid have been doubled to Rs. 2.5 lakhs. A total of 125 students benefitted from the scheme.**
- XV. Students working on the various undergraduate innovation projects are provided a monthly stipend of Rs. 1000/-.

Financial Assistance from Other Sources:

- XVI. SC candidates get fellowship from the government of India as well as respective state governments. Earlier these scholarships were routed through the College. However, since 2013, the College verifies the documents and the grant is remitted directly to the beneficiaries.
- XVII. In the session 2015-16, a total of 26 foreign students are registered with the College. The fee that they pay to the College is remitted through the Indian Council for Cultural Relations (ICCR).

Students from SC/ST/OBC and economically weaker sections:

- ❖ The students from SC/ST and OBC are provided reservations in admission as per Government regulations.
- ❖ Students from the economically weaker sections are provided financial assistance in the form of waiver of fees and book aid.

- ❖ The Equal Opportunity Cell also looks into the issues related to SC, ST, OBC and minorities to ensure that there is no discrimination in the College on the basis of social status.

Slow Learners:

To enhance the performance of slow learners the College has the following provisions:

- ❖ Extra classes in the form of tutorials
- ❖ Mentorship during contact periods
- ❖ Notes and model test papers provided by the faculty members

Students with special needs:

Special facilities are provided in the form of the following:

- ❖ University of Delhi, through its **Equal Opportunity Cell**, offers a **full fee waiver** to **all** differently-abled students.
- ❖ **Wheel chairs, customized washrooms**, etc., are provided to students with orthopaedic disabilities.
- ❖ **Ramps, books in Braille script**, and other facilities are available in the library for visually challenged students.

Overseas Students:

- ❖ The College ensures that grants/aid/scholarships to be received by these students are timely disbursed and subsequently remitted to them through the Indian Council for Cultural Relations (ICCR).
- ❖ At the time of admission, the College provides necessary logistical assistance to the foreign students. In addition to this, the teachers help them overcome language barriers.

Students Participating in Various Competitions—National and International:

The College and teachers encourage students' participation in various national and international competitions. They are provided with necessary support in the following ways:

- ❖ Additional tests and extra lectures
- ❖ Financial support for the competing group
- ❖ Experts to train them
- ❖ Extra assistance in the form of contact periods
- ❖ Academic support by giving one third of attendance for the missed classes because of participation, thus, making them eligible to appear in the main exams

Medical assistance to students:

- ❖ The College has the facility for basic medical assistance. It has a medical room with a bed, an attendant and primary medicinal requirements that renders first-aid and basic medical facilities to the students.
- ❖ In the case of a medical emergency, students are rushed to South Campus Health Centre and other nearby government hospitals.

Skill development and computer literacy:

- ❖ English Department organizes **English Language Proficiency (ELPC)** classes and communication workshops. In addition to this, platforms for public speaking are also provided through classroom presentations, group discussion, debates etc.
- ❖ Oratory is honed through College debating societies: *Nimbus* for English debate and *Vedanta* for Hindi debate.
- ❖ To promote computer literacy, the College organizes workshops/seminars, etc. A useful illustration would be the **Basic Computer Workshop** organized for the students by the Department of Commerce from 30 January to 31 January 2015. The purpose of this workshop was to make students aware of the fundamental concepts related to MS-Word (document creation, editing, resume writing, etc.) and internet surfing (awareness and practical use of various search engines, social networking sites & DULS, etc.) to meet their everyday technology requirements.
- ❖ The College teaches the importance of articulation and lateral thinking to the students by encouraging the art of creative writing among the students. In this view, the College publishes a magazine *Udyachal*. **With a section each in English, Hindi and Sanskrit, the magazine promotes multilingualism among its students.**
- ❖ Two newsletters, namely, *Synergy* in English and *Samanvay* in Hindi provide the students avenues to use their creativity to express and sharpen their writing skills.
- ❖ Poster making competitions, creative writing competitions, etc. are also routinely organized. A good example would be the poster making competition that was organized by the Department of Commerce on 20th January 2015. Through the competition, students were invited to creatively express their views on the issue “Women Harassment and Remedies”.
- ❖ The College also collaborates with National Service Scheme (NSS) and National Skill Development Centre (NSDC), Government of India, to organize IT and Communication Skill Workshop.
- ❖ Workshops on theatre, classical music and fine arts are also organized from time to time.

For further details on activities/seminars/workshops, please refer to criterion 3 pgs 73-102.

Exposure of the students to other institutions of higher learning/ corporate/business houses:

1. Inter-college seminars/workshops/conferences
2. **Popular Lecture Series** in which experts from various fields and institutions are invited to address the students
3. Industrial visits
4. **Experts** invited from institutes/companies such as the **Jaipuria Institute of Management, Ansal University, Pearl Academy, National Institute for Entrepreneurship and Small Business Development (NIESBUD, GOI), ITM, etc.**
5. **Interaction with alumni**, institutionalized in the form of annual alumni meet *Confluentia*
6. Innovation Projects, Star College Scheme and Business Incubation Center

Facilitation of entrepreneurial skills among the students and its impact:

- ❖ The institution has organized workshops and talks on various issues related to the marketing, trading and entrepreneurship.
- ❖ The College is in the process of establishing a **Business Incubation Centre with the collaboration of M/o MSME**. It aims at enhancing both technical and entrepreneurial skills of the students. Most importantly, this incubation center would be open for young entrepreneurs from across the country **regardless of their institutional affiliation**. This initiative is the **first of its kind in University of Delhi**.

Promotion of Student Participation and Aid Provided:

A substantial portion of the annual College budget is dedicated to student activities. **In 2015-16, a sum of Rs. 48 lakhs has been earmarked for various activities throughout the year.**

1. The debating society has two branches, *Nimbus*, the English debating society and *Vedanta*, the Hindi debating society. The debating societies inculcate among the students attributes such as critical thinking, strategic planning, effective communication, independent research, teamwork and leadership skills. The debating societies also organize debating competition to motivate internal and external participation.
2. The Dramatic Society of the College, *Rangayan*, holds a prestigious position among the top dramatic societies in the University. The society uses theatre to create socio-political awareness. Its success is testified to by the enormous talent and unmatched enthusiasm of our budding actors and the dedication of the teachers. Every year, Rangayan organizes a month-long production oriented theatre workshop in collaboration with **National School of Drama** and **Sahitya Kala Parishad**. Over the years, *Rangayan* has produced plays like *Ek tha Gadha*, *Mauvze*, *Court*

Martial, Maharathi, ect. receiving critical acclaim in national dailies. It also excels in street plays. The major street play productions under Rangayan have been *Ye Dilli Hai, Unke Rang Mein, and Azaadi*, and so on. Rangayan, to celebrate its ten years of existence, recently organized a three-day theatre festival from 20 to 22 Jan 2015 at Sri Ram Center entitled ‘Rangsheersh Jaidev Natyotsav,’ in honour of Dr. Jaidev Taneja, an eminent dramatist, playwright and founder of the Dramatic Society of the College.

3. The College is committed to the all-round development of the students. Thus, it has set up various cultural societies that are very active. **Akrit, the dance group** and **Saarang, the music group**, under the Cultural society of the College are outstanding. The cultural society organizes a musical event, **Awaaz** and a dance event called **Tarang** to encourage the students to engage themselves in the cultural events.
4. The College has a **Fine Arts and Crafts Society** that organizes workshops and competitions to promote creativity among the students.
5. The College provides both indoor and outdoor sports facilities. The College has well maintained playground for cricket, football, hockey, and court for volleyball and badminton. The College also provides facilities for indoor games like, table tennis, carom and chess. The Annual Sports Day brings out the talent of the students in various sport events. The College provides uniform to students who play any sport. In addition to that, cricket kits are also given.
6. Apart from the cultural societies, the academic associations of the College are quite active as well. Each Department of the College has its own academic association. These associations complement classroom teaching with seminars, workshops, exhibitions, debates, quiz, talks by distinguished invitees, educational tours and field works. Departmental festivals such as **Chem Crown** of the Chemistry department, **Questus** of the Department of Economics, **Feynmania** of the Physics department, **Clio Calling** of the History department, **Republica** of the Department of Political Science, **Electronica** of Electronics department and **Quaternion** of Mathematics departments are occasions to celebrate academic and creative excellence among the students.

Students who are **involved in the co-curricular and extra-curricular activities** are generally provided **flexibility in attendance and internal examinations**.

Details of students’ success in competitive exams, counselling mechanism, grievance redressal and anti-ragging mechanism:

- ❖ The College is in the process of collecting such data. Through the alumni association, which will soon be registered, the College will formalize a process of collecting data on these matters.
- ❖ The College has formed **mentor groups for the students**. Each faculty member is assigned a group of students to help them with their academic, personal, psycho-social and career related issues. Apart

from this, remedial classes for the SC/ST/OBC, minorities and academically weaker sections have been proposed. Values, ethics and concern for their environment are also instilled during these sessions. During the admissions, special committees are constituted to look into grievances/concerns of students from these sections.

- ❖ Our College has a **Placement Cell** which helps students with career guidance and placements. The Cell facilitates interaction between students and the representatives from companies/ institutions and firms which recruit them. **A number of students are also placed through the Central Placement Cell of University of Delhi.**
- ❖ The College has a cell to address the grievances of students. The grievance cell looks into the grievances related to the admission procedure, cleanliness of the College campus, library related issues and such other problems.
- ❖ The College follows the policy of “**zero-tolerance**” for ragging. To this end, an **anti-ragging committee** is constituted every year. It is worth mentioning here that on account of the active surveillance/sensitization of the Committee, no incidence of ragging was reported over the past five years.

Institutional provisions for resolving issues pertaining to sexual harassment

Issues of Sexual harassment/misconduct are addressed through the **Internal Complaints Committee (ICC)**, constituted in the College **in May, 2014**. The following are its members:

1. Dr. Anamika Prasad (Chairperson)
2. Ms. Kokila Negi
3. Mr. Anand Ram
4. Ms. Abha Kumar (NGO representative)

Before May 2014, issues of sexual misconduct were looked into by **the College Complaints Committee**.

Welfare schemes made available to students by the institution:

- I. A number of scholarships to incentivize and support academic excellence
- II. Subsidized Canteen
- III. Student counselling and support through mentor group
- IV. Career guidance through Placement Cell
- V. Fee concession, book aid and financial assistance for the economically weaker students
- VI. Subsidized photocopy facility within the campus

- VII. Educational Trips, Gyanodaya Express Scheme, Excursions and Industrial Visits
- VIII. Medical services
- IX. Grievance Cell to look into their problems

Alumni Association:

The College is in the process of forming a registered Alumni Association. However, we have already registered approximately 1,000 alumni through the College website. As of now, the alumni and former faculty members collaborate through various social mediums. The College also organizes an alumni meet called *Confluentia* every year. The Association also honours the distinguished alumni.

Over the years several College students have distinguished themselves in various fields such as commerce, politics, entertainment, etc. Among these are Delhi State BJP President Satish Upadhaya, Prof. Moolchand Sharma, Ashish Sood, Jaiveer Rana, Rajesh Chugh, Rajkummar Rao. Often, alumni are invited to share their expertise and experience with the students. For example, **National Award winning actor Rajkummar Rao**, an alumnus of the College, was recently invited by the College to motivate members of Rangayan—the Dramatics Society of the College. In addition to this, alumni also support the College by helping it organize cultural events, procure sponsorships and assistance in the various placement drives that the College organizes.

Teacher alumnus Dr Jaidev Taneja, a veteran drama critic from the Hindi department, continues to support Rangayan even after his retirement by helping the College collaborate with Sahitya Kala Parishad, get experts from National School of Drama and procure sponsorships to organize theatre festivals. **The College has decided to honour him by constituting an annual theatre festival of the College-Rangsheersh Jaidev, after his name.**

5.2 Student Progression

The progression of the students in various programmes of the College is regularly monitored.

The College makes efforts to reduce the number of dropouts and increase its pass percentage. Some of these are:

- ❖ To the students at risk of dropping out due to financial problems, the College generally tries to provide assistance in terms of fee concessions and book aid.
- ❖ Assistance in the form of tutorials and contact periods are provided to such students.
- ❖ Motivation to study during mentoring sessions.
- ❖ The College proposes to start remedial classes for slow learners and students from underprivileged backgrounds.

Details of the programme-wise pass percentage and completion rate in the undergraduate courses (2014-15)

Name of the Course	Enrolled	Pass Percentage						
	2008-2011		2009-2012		2010-2013		2011-2014	
English	28	83.30	41	92.31	41	96.55	45	76
Hindi	39	95.23	36	88.46	48	63.16	49	91.43
Mathematics	66	79.10	147	93.70	78	89.60	97	69.56
History	29	80	33	89.47	50	96	48	50
Economics	35	70.83	73	95.56	86	90.16	92	70.18
POL. SC	51	80.95	63	91.67	99	94.25	115	60.87
B.A. (Prog)	98	59.21	118	51.55	106	67.78	103	67.57
B.Com. Course	130	67.37	117	57.26	128	60.93	158	62.02
B.Com. (Hons)	105	72.38	128	76.56	125	76	151	58.01

Pass percentage for post-graduate programmes (2011-15)

Course	Pass Percentage 2011-12	Pass Percentage 2012-13	Pass Percentage 2013-14	Pass Percentage 2014-15
M.Com.	75	83.33	43.75	60
M.A. Hindi	53.85	87.50	88.89	87.50
M.A. Political Science	31.58	47.06	33.33	67.65
M.A. English	77.78	28.57	70	92.86

Facilitation of student progression to higher level of education and/or employment:

The College provides support to the students to facilitate their future academic career and employment.

- ❖ Faculty members are generally available to help and counsel the students with information regarding various entrance/competitive exams.
- ❖ Departments arrange for talks and lectures by eminent academicians and job experts to inspire the students, tell them the career options available to them and help them make the right career choices.

- ❖ Departments also organize study trips and industrial visits motivating students in the process.
- ❖ Moreover, students from various departments do project works under the supervision of specialized faculty members. Such projects throw open new avenues for interdisciplinary research and employment.
- ❖ The Placement Cell gives students exposure by arranging visits of eminent people from industries and companies and provides them placement too. Since 2013, over 100 students have been successfully placed every year. Some of our major employers include the Royal Bank of Scotland, KPMG, GenPact, Concentrix, Indigo Airlines, and Clairvalex.
- ❖ Rangayan and other cultural societies hone their artistic skills which gives them scope to build a career in the artistic fields.
- ❖ A strong NCC helps them to grab opportunities in the armed forces and paramilitary services.

5.3 Sports and Cultural Activities/Participation

The College provides a wide range of indoor and outdoor sports facilities to the students. These include spaces for cricket, football, hockey, volleyball, kabaddi, and badminton. Facilities for indoor games like table tennis, carrom, kabaddi, and chess are also available.

The details of the students' participation and major achievements in various games are as follows:

Serial No.	Name	Award	Name of Sports Activity	Remuneration Amount (Reward)
1.	Rahul Tokas	Gold: 2 Silver: 2 Bronze: 3	Delhi University Inter - college Swimming Tournament	Rs. 19,500/-
		Silver: 4	Delhi State Swimming Championship	
2.	Rohan Kumar	Silver: 1	Delhi University Inter-college Swimming Championship	Rs. 1,500/-
		Silver: 1 Bronze: 6	Delhi State Swimming Championship	
3.	Suraj Sehrawat	Gold: 2 Bronze: 1	All India Inter Universities Shooting Tournament	Rs. 5,000/-
4.	Pritam Yadav	Silver: 1	Delhi University Inter-college Weight Lifting Tournament	Rs. 1,500/-

Our students have actively participated in various extra-curricular and co-curricular activities at the University, zonal, state and national level. Their achievements in the previous academic session in different co-curricular activities are listed below:

NCC Achievements:

The following are our outstanding cadets and their achievements:

❖ **SUO Ambareesh Shukla**

- I. Visited Sri Lanka as a Youth Exchange Programme cadet
- II. Attended Advanced Leadership Course Agra 2014
- III. Republic Day Camp (PM Rally)
- IV. Has recently received a **Letter of Recommendation** from the Director General, NCC.

❖ **Ramu Swami**

- I. Thal Sainik Camp 2014
- II. Prime Minister's Rally 2014

❖ **SGT Rakesh Yadav**

- I. Participated in Amar Jawan Jyoti 2014 at India Gate with CDT Anupam
- II. Republic Day Camp (PM's Rally)

❖ **CDT Aditya Kumar**

- I. Participated in (400 m sprint) NCC National Games 2014 at DG NCC headquarters, New Delhi.
- II. Participated in Thal Sena Camp (2015)

❖ **Eight Cadets Selected For Republic Day Camp 2015**

- I. JUO Rakesh
- II. JUO Rohit
- III. CDT Prakash Ranjan
- IV. CDT Sachin Sharma
- V. CDT Aman Bhatt
- VI. CDT Ritesh Tiwari
- VII. CDT Rishabh Yadav
- VIII. CDT Nitesh Yadav

- ❖ Following are some of the competitions where NCC students have participated in 2014-15 and have won prizes:

Events	Place (College)	Position achieved by ARSD Students
Squad Drill Competition	Kirori Mal College	1 st
Quarter Guard Competition	Shaheed Bhagat Singh College	2 nd
Squad Drill Competition	Zakir Hussain College, Delhi	1 st
Quarter Guard Competition	Dayal Singh College	1 st
Squad Drill Competition	Satyawati College	2 nd
Drill Competition	Delhi College of Arts and Commerce	1 st
Quarter Guard Competition	PGDAV College	2 nd
Squad Drill Competition	Deshbandhu College	1 st
Squad Drill Competition	PGDAV College	1 st
Quarter Guard Competition	Delhi College of Arts and Commerce	1 st

In addition to this, the College NCC Unit routinely organizes the following social awareness programmes:

- ❖ Cleanliness Drives
- ❖ Blood Donation Camps
- ❖ Tree Plantation Drives

Achievers from NIMBUS and Vedanta:

Vagisha, B.A. (Hons) English, IIIrd Semester

- I. 3rd Prize in Inter -college Debate at Hindu College (2014-15)
- II. 2nd Prize in Inter -departmental Debate, ARSD College (Feb. 2015)
- III. Best Interjector at Inter -college Debate at Moti Lal Nehru College (March 2015)
- IV. Along with Bhavna of B.A. (Hons) History, the Best Team Award at Inter- college Debate at Moti Lal Nehru College (March 2015)

Ravinder Tiwari, B.A. (Hons) Hindi, III Yr and Shubham Jha, B.A. (Hons) History, III Yr (2014-15)

- I. First Prize in Debate Competition, Motilal Nehru College
- II. First Prize in Debate Competition, JIMS, Rohini
- III. First Prize in Debate Competition, IIT Delhi
- IV. First Prize in Debate Competition, Zakir Hussain College
- V. First Prize in Debate Competition, SPM College
- VI. First Prize in Debate Competition, PGDAV College
- VII. First Prize in Debate Competition, IP University
- VIII. Second Prize in Debate Competition, GGS College
- IX. Second Prize in Debate Competition, Deshbandhu College
- X. Third Prize in Debate Competition, SGTB Khalsa College

Rohit Singh, B.A. (Hons) History IIIrd Yr (2014-15)

- I. First Prize in Debate Competition, DCAC (DU)
- II. Second Prize in Debate Competition, Deshbandhu College

Special Achievers:

- ❖ **Rushali Rai**, English (H) IInd Yr, was a finalist in the Femina Miss India Beauty Contest, 2015.
- ❖ **Rajkumar Rao**, an alumnus of the College, won the **National Award for best actor** for his performance in the film *Shahid* (2013).

Achievements of the College Dramatics Society:

The College Dramatics Society, Rangayan, won the following prizes in the different inter College events during the year 2014-15:

S.No.	Name of Competition/ College	Position achieved by ARSD College Students
1	Mahavidyalay Natya Samaroh	2 nd (Production)
2	Josh Vihangam Jamia Milia Islamia University	2 nd (Production)
3	Shaheed Bhagat Singh College	3 rd
4	Hindu College	1 st
5	Symbiosis, Noida	1 st
4	Zakir Hussain College	1 st
5	Bharti College	2 nd
6	Jamia Milia Islamia University	1 st
7	Bhagini Nivedita College	1 st
8	Bhaskaracharya College of Applied Sciences	1 st
9	MSIT(I)	1 st
10	MSIT(II)	1 st
11	MSIT(III)	1 st
12	Ram Lal Anand College	1 st
13	Motilal Nehru College	2 nd
14	NDIM	3 rd
15	JIMS, Rohini	1 st
16	Zakir Hussain College	1 st
17	Maharaja Agrasen Institute of Technology	1 st
18	BPIT	1 st
19	HT City 'YOUTH NEXUS	1 st
20	E-Waste (NBT)	3 rd
21	IIT KANPUR	4 th

Data and feedback from its graduates and employees:

While the student feedback form covers various aspects of College's academic and cultural life, the College is making efforts to formalize feedback arrangement by getting its Alumni Association registered. The Placement Cell of the College collects feedback from the companies that organize placement drives in the College. This feedback is scrutinized carefully and their suggestions are used for the quality and performance improvement in all the spheres of the College.

Students' Union and Committees with Student Representatives:

The College has a Students' Union which is elected in the manner prescribed by the University and as mandated by the College constitution. A portion of the annual fee is earmarked for student union's activities which comprise organizing fresher's welcome, annual cultural events, social awareness camps, seminar and workshops etc.

Our College encourages students' representation and participation in the **academic, administrative and cultural bodies** of the College. Students are member of the following committees:

- I. Students' Union.
- II. Placement Cell
- III. Anti-Ragging Committee
- IV. Canteen Committee
- V. Women Development Cell
- VI. Discipline Committee
- VII. Cultural Society
- VIII. Departmental Associations and Seminars

As recognition of their work, the students are awarded certificates of appreciation by the College.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 INSTITUTIONAL VISION AND LEADERSHIP

Vision:

The College is committed to a model of **quality education** that is equitable and leads to the **holistic development** of all stakeholders.

Mission:

The motto of our College is *Tejasvi-Naav-adhitam-astu*: “may our learning be endowed with radiance.” Serving a wide cross-section of students, Atma Ram Sanatan Dharma College is committed to provide quality education in the fields of humanities, science, and commerce, and enabling all-round development of the students. The College is also dedicated to **creating opportunities for its women students** in a safe and nurturing environment. Our aim, therefore, is to work towards crafting a joyful ecosystem where students are galvanized to maximize their potential while cultivating their conscience.

Objectives:

The College focuses on learner-centric teaching, and dynamic and interactive learning which is fostered by:

- ❖ Developing core competencies in addition to valuable life skills
- ❖ A strong focus on research-based activities
- ❖ Innovative teaching practices that include ICT
- ❖ Placing strong emphasis on instilling in students a sense of social responsibility
- ❖ Modernization and upgradation of College infrastructure, laboratories, learning resources, and computational facilities

Role of top management, Principal and Faculty in design and implementation of its quality policy and plans:

- ❖ The Governing Body, in conjunction with the Principal, develops an annual plan which is a calendar of projects and activities to be accomplished over the year.
- ❖ The Principal and the Staff Council carry out various activities in accordance with the Calendar of the University of Delhi.
- ❖ The administrative and the teaching staff, with the involvement of the students, carry out their roles in ensuring the completion of the stated objectives.
- ❖ The principal is responsible for implementing the recommendations of Staff Council Committees. In addition, with prior approval of the

Governing Body Chairman, he constitutes various committees to carry out essential work. As head of the institution, the Principal ensures the smooth functioning of the College and compliance with quality assurance protocols with the help of faculty, non-teaching staff, and the students.

- ❖ A directly elected Students' Union has its own set of responsibilities, which it performs under the able guidance of faculty advisors. The yearly programme starts with its inauguration in which the Principal administers oath of office in accordance with the Constitution of the Students' Union and the University statutes. The Union is involved in various activities in the College

Interaction with stakeholders:

The College ensures that all its stakeholders—staff, students, alumni, parents, governmental and non-governmental bodies, and local administration—are kept aware of its decisions by issuing circulars and internal distribution of the minutes of key meetings. Relevant information is displayed on the College website and notice boards. College-related information is also made available via **prospectus, information booklet** and *Udyachal*, the College magazine.

The Principal is always available for consultation. He also schedules regular meetings with stakeholders to address grievances and complaints, if any.

Support for policy and planning through need analysis, research inputs and consultations with stakeholders:

The Principal ensures that the infrastructural needs of each policy plan are met. The demands of stakeholders are taken on board through meetings where various issues related to the College are deliberated. Various fora have been instituted for the creation of a feedback system.

- ❖ While the **Staff Council** is responsible for making official decisions, the **staff association** ensures a vivid exchange of ideas among the faculty. Student responses are gauged via scheduled meetings with the Principal and members of the staff.
- ❖ In addition, **feedback forms** allow for a transparent and anonymous mode of communicating student reactions to classroom teaching as well as other College-related activities.
- ❖ **Students' Union** and **Contact Periods** are also platforms where students can come forward, discuss their problems, and provide feedback.

The Principal reviews each component of the **Annual Perspective Plan** and ensures compliance on all fronts. Challenges are analysed and solutions arrived at through discussions.

Leadership Roles

Reinforcing the culture of excellence:

The Management is fully committed to creating a culture of excellence at ARSD.

- ❖ **Academic committees** ensure that complete **transparency** is maintained in all the academic matters of the College. Admissions are conducted with the view of enrolling the best possible students and creating a supportive environment for them.
- ❖ Each department is tasked with creating an intellectually focused and creatively enriching atmosphere. Departmental meets, festivals, and seminars engage the students in a productive manner.
- ❖ The College holds **Popular Lecture Series** by inviting eminent scholars.
- ❖ Cultural events organized by societies dedicated to theatre, dance and music and Tide—the annual festival of the College, provide opportunities for the students to exhibit their talents.
- ❖ The College has **excellent sports facilities**, and the EOC, the NSS, the NCC, and the WDC create opportunities for students to understand the gravity of social responsibility.
- ❖ The Placement Cell creates avenues for **industry exposure and experience**.

Organizational Culture and Major Initiatives:

The institution promotes **the spirit of free and transparent exchange and a culture of integrity**. While the Principal provides the overall vision, he delegates responsibilities to committees and departmental bodies that aim to create a **positive and productive work atmosphere**. Some of the major initiatives include:

- ❖ **Updating our infrastructural facilities**, constructing seminar hall, reading space for faculty and students, a mini auditorium, the entire second floor of the College, and overhauling old wiring and fittings.
- ❖ **Digitizing the library database** and creating an online inventory of materials.
- ❖ Putting the entire administrative functions online and ensuring speedy access to employee and student data.
- ❖ Promoting clarity in all the workings of the College, by making all departmental coordinators accountable and easily accessible.

Procedures to monitor and evaluate policies and plans for effective implementation and improvement

- ❖ The Governing Body of the College meets periodically to review institutional requirements and implement improvement plans.
- ❖ The College has an IQAC that monitors policies and plans, and constantly endeavours to effect desirable changes.
- ❖ The Principal meets all stakeholders regularly in order to receive feedback, review processes, and discuss challenges facing the College. The Governing Body Chairman and the Principal encourage everybody to approach them freely as and when required.
- ❖ The student feedback form enables the institution to take cognizance of the requirements of the student body and redress any grievances/issues that may arise.

Grooming Leadership and Participative Management

- ❖ The College believes in a **decentralized framework**, allowing for stakeholder involvement at different levels. The myriad experiences enabled by this **participatory style of management** prepare the staff and students to take on various **leadership roles**.
- ❖ The Principal, under the aegis of the Governing Body, is the Head of the institution. To assist him, there is a Staff Council which functions through various committees. The departments have representatives on these committees. Teachers are in charge of different academic and non-academic committees, for which they take full responsibility. They also involve some students in these committees with an objective to hone their leadership skills.
- ❖ Each department and administrative section has an in-charge, responsible for their proper functioning. The departments have a coordinator who changes every year. This ensures all members have a stake in and are responsible for the direction a department takes. All cultural societies have students and faculty in charge of key decisions. While all key decisions are routed through the Principal, the daily activities are taken care of by the staff and students.
- ❖ Student representatives of the union are elected. At the same time, a number of students are nominated on various co-curricular bodies. Student representatives of the college plan annual activities in consultation with their faculty advisers. Over the years, several College students have distinguished themselves in various fields such as academics, commerce, politics, entertainment, etc. Among these are Delhi State BJP President Satish Upadhaya, Prof. Moolchand Sharma, Ashish Sood, Jaiveer Rana, Rajesh Chugh, and Rajkummar Rao.

6.2 STRATEGY DEVELOPMENT AND DEPLOYMENT

The College's quality policy was formalized in an IQAC meeting held on 24 May 2014. It was resolved that the College would place emphasis on the holistic development of its staff and students. To this end, various mechanisms were put in place. For the teaching and non-teaching staff, the institution has enabled quality assurance through:

- ❖ Skill upgradation courses
- ❖ Use of ICT to ensure the smooth functioning of College
- ❖ Leave for enhancement of academic and administrative capacities
- ❖ A portal for uploading attendance-related data, so that transparency is maintained
- ❖ Strengthening of feedback mechanism with the help of the RCC, IQAC, and the soon-to-be-registered Alumni Association. For details, please refer to pg 48.

For our students, we have put in place:

- ❖ A **3% benefit** in admission cut-offs for female students, to encourage women's education and ensure gender parity in our College
- ❖ Various societies, such as **Rangayan**, to create an avenue for creative expression
- ❖ **Collaborative workshops** with centers of excellence such as the National School of Drama and the Sahitya Kala Parishad, to create a culturally vibrant atmosphere
- ❖ A **Wi-Fi enabled campus, adequate computer terminals, and a well-stocked library**, placing our students at an advantage in the technology-driven world

The **IQAC** has put in place a feedback system that allows for quality protocols to be deployed and reviewed in a systematic manner. Please find details in pgs 141-144.

Perspective Plan:

The College has a perspective plan in place. The **quality assurance protocols** have been developed along the following vectors:

❖ **Infrastructure**

The existing infrastructure of the College is good; yet efforts are on to augment it in order to keep pace with ever-increasing demands. Given its position along the **protected Ridge** area of Delhi, we are experimenting with **innovative designs and ecologically sound materials** to meet our needs. Laboratories, computer labs, the library system, and sports facilities are all being upgraded to best serve the stakeholders.

❖ Administration

Aided by ICT, we propose to use software to bring our systems in line with the best. With a strong focus on **computer literacy**, the College is moving towards a **fully digitized and interconnected network**.

❖ Faculty enrichment

The faculty at ARSD is committed to academic excellence. With many of our staff involved in **national-level projects**, the commitment to research has a strong presence in the perspective plan. **Fully equipped laboratories, round-the-clock Internet connectivity, and an open-access library system** with subscriptions to approximately **46 journals, 19 newspapers and 29 magazines**, are some of the facilities that have been put in place.

❖ Student enrichment

ARSD believes in the maintenance of rigorous standards: moral, intellectual, and cultural, and creating an environment where **sustainable growth** is possible. Students receive the best possible instruction. Apart from curricular activities, we also attempt to create avenues of **industry experience** with our placement cell. Students are equipped with **vocational skills**, with visits from and workshops with the **Skill Development Corporation**. Regular talks and seminars with eminent scholars/scientists/industrialists are organized and workshops and conferences keep the students engaged culturally and academically.

❖ Ecological Awareness

In line with the **Swachha Bharat Campaign**, the College has instituted new protocols for waste management. **Colour-coded dustbins** are used. New ways of **waste disposal** are being experimented with. We are also developing new **green zones** within the campus. A **herbal garden** has been planted; the plan is to develop a community in tune with our natural environment. For more details, please refer to Criterion 7.

❖ Social responsibility

Our NSS volunteers work tirelessly to address social inequities, tying up with various NGOs to serve people in need. Our **street theatre group, WDC, NSS, NCC and Eco Club** play an active role in spreading awareness about social issues.

Internal organizational structure and decision-making processes:

The institution practices a highly **participatory, democratic, and transparent management system**. As per University rules, the College is managed by a duly elected Governing Body which, with a **democratically elected Chairman and a Treasurer**, is the supreme decision-making body of the College. The Principal is Member-Secretary of the Governing Body and executive head of the institution. He ensures that the University Statutes are observed in letter and spirit. Internally, there is a **Staff Council with an elected Secretary** and all the members of the teaching staff, Librarian, and Director, Physical Education, as its members. Subject to the provisions of the Acts, the Statutes and the Ordinances of the University, the Staff Council is

responsible for preparation of College timetable, extracurricular activities, preparing guidelines for purchase of library books and lab equipments as well as organizing admission of students. The Staff Council functions through Committees appointed by the Council itself.

University of Delhi



Governing Body



Principal



Staff Council



- ❖ **Staff Council Affairs Committee**
- ❖ **Fund Allocation Committee**
- ❖ **Admission Committee**
- ❖ **Fee Concessions and Student Aid Committee**
- ❖ **College Magazine Committee**
- ❖ **Campus Improvement Committee**
- ❖ **Student Faculty Committee**
- ❖ **Library Committee**
- ❖ **Discipline Committee**
- ❖ **North-East Students' Welfare Committee under Cultural Society**
- ❖ **Canteen Committee**
- ❖ **Staff Council Affairs Committee**
- ❖ **Students' Union Advisory Committee**
- ❖ **Fine Arts and Crafts Society**
- ❖ **Cultural Society**
- ❖ **Debating Society (Hindi and English)**

- ❖ **Gandhi Study Circle**
- ❖ **Sports Board**
- ❖ **Attendance Committee**

Some of the committees, such as the Anti-Ragging Committee, ICC, Grievance Committee, are constituted by the Principal under University Ordinances. In addition to the above-mentioned committees, the Principal, from time to time, constitutes various ad-hoc committees.

Quality improvement strategies:

Teaching & Learning: The teaching-learning process is under review to ensure the application of best practices. Our faculty tries to evolve their pedagogic methods. Courses and workshops conducted by Delhi University and other public institutions ensure that quality protocols are observed. The College's infrastructural facilities are being expanded and we strive to create a dynamic learning environment for our students. The new seminar hall, with seating capacity for over 200 students and equipped with audio-visual equipment, is a step in this direction. New floors are being constructed; retrofitting and earthquake proofing of the entire building have already been completed. User-friendly washrooms for differently abled students on the ground floor are fully functional. Other facilities such as ramps are being set up. Braille script has been made available for our visually challenged students. Our students are exposed to some of the best minds in different fields. Students benefit enormously through interactions with eminent scientists, scholars and alumni, such as the acclaimed actor Rajkummar Rao.

Research & Development: ARSD aims to create a community of research-oriented students and faculty.

- ❖ The University of Delhi has approved a grant of **Rs. 1.95 crore** under the **Star Innovation Project Scheme**, under which 7 projects will run for the duration of 3 years. This grant will further strengthen our research capabilities.
- ❖ We have been awarded the status of **STAR COLLEGE** under a scheme of the Department of Biotechnology, Ministry of Science and Technology, Government of India, in 2014. Under this scheme the College will receive financial grants for researches in the fields of Chemistry, Physics, Mathematics, and Biology.
- ❖ The College has also been awarded **10 innovation projects** in 2015-16 and **5 innovation projects** in 2013-2014 by the University of Delhi. For details please refer to pgs 41-44.
- ❖ The faculty is motivated to carry out their own research activities as evinced in the department SSRs.

Community engagement: ARSD takes its social responsibilities seriously and our students are encouraged to engage with the issues and challenges faced by our society. For details please refer to **Section 3.6**.

Human resource management: The College has systems in place to ensure that human resource is managed efficiently and with a view to maximize ICT

usage. ARSD is in the process of digitizing its networks. **Enterprise Resource Planning (ERP software)** is employed by the institute in order to collect and analyse all relevant data. **All our employees are provided with a login id and password.** The employee life cycle portal enables **online checking of salary slips, income tax statements and the collection of form 16, and PF details.** ICT ensures that our employees are able to use technology effectively, saving time and increasing efficiency.

Industry interaction: The Placement Cell ensures that the students are exposed to a working life outside College. The skill development session organized in conjunction with NSDC last year allowed the students to receive vocational training and advice. The establishment of the **Skill Development Centre** and the launching of the **Business Incubation Centre** will further strengthen interface with industry and corporate world.

The **Placement Cell** has facilitated the interaction of the students in the final year with the representatives from companies/institutions/firms, who visit the College to recruit students for suitable jobs. This platform is of great help to students in their interface with recruiting companies.

Mechanism for review of institutional activities by top management and stakeholders:

- ❖ The Principal, in Governing Body meetings, apprises the Governing Body of activities within the institution. All major events are undertaken after approval by the Chairman of the Governing Body.
- ❖ The Principal communicates all major institutional decisions to the faculty through the Staff Council and the coordinators of various departments.
- ❖ The institution has put in place a mechanism for collecting and processing student feedback. Instituted in 2013, the feedback mechanism allows students to respond to their environment, their teaching-learning experience and propose ideas for further improvement. The option of writing directly to the Principal is also available.
- ❖ The faculty is made aware of their performance in one-on-one sessions with the Principal where areas of improvement are discussed.
- ❖ The College also has suggestion boxes put up around campus; suggestions as well as complaints regarding personnel and infrastructure are looked into thoroughly and due process followed.
- ❖ The College, through meetings, its Annual Report, magazine *Udyachal*, the Information Booklet, and the website, ensures that management and the stakeholders are kept abreast of all developments within the College and have a chance to review them.

Involvement of the staff:

- ❖ The staff is encouraged to consult the Principal on all matters that affect the efficacy of institutional functioning.
- ❖ The IQAC, which is composed of members of the staff and the Principal, allows the College to take on board staff suggestions regarding quality assurance.
- ❖ Various academic committees review the status of all activities within the College.
- ❖ The staff-both teaching and non-teaching, are encouraged to undertake skill development courses, upgrade their knowledge of ICT, and attend seminars and workshops useful to them.

Important resolutions of the Governing Body of the College:

- I. To monitor and supervise admissions in the College in 2014-15, the constitution of a four-member committee was approved by the Governing Body. The committee discharged its responsibility with utmost care looking into all aspects of admissions. The system was adopted for admissions in 2015-16 also.
- II. Under Star College Scheme, the College was granted **Star College status by Department of Bio-Technology (Govt. of India)**. The matter was reported to the Governing Body.
- III. The Governing Body approved with satisfaction the **Ministry of Medium, Small & Micro Enterprises' recognition of the College as Business Incubator (BI)/Host Institute (HI) for implementation of the scheme 'Support for Entrepreneurial and Managerial Development of SMEs through incubator'**.
- IV. The Governing Body approved allocation of space (Room nos 59 & 15) to Dr. Prashant Singh and Dr. Rajeev Singh both from Department of Chemistry for carrying out **major research projects granted by Department of Science & Technology (Govt. of India) and UGC respectively**.
- V. The Governing Body approved extension of study leave/deputation of the following teachers:
 1. Neeta Azad Department of Chemistry
 2. N. P. Singh -do-
 3. Rajvir Singh Department of Physics
 4. B. L. Prashant -do-
 5. Swati Biswas Department of Zoology

- VI. **The Governing Body approved conversion of extra-ordinary leave of Dr. A.B. Bhattacharjee, Associate Professor with the Department of Physics, presently UGC Associate Professor at JNU into deputation for five years.**
- VII. The Governing Body granted approval of appointment of Dr. Suman Dudeja, Associate Professor with the Department of Chemistry as Fellow in the Vice-chancellor Fellowship Programme on deputation for one year.
- VIII. On College Governing Body's approval, the College Seminar Room has been renovated with air conditioning, false ceiling and acoustics.
- IX. The Governing Body unanimously **approved the proposed new building plan** of the College including the following:
1. Construction of an additional floor
 2. Solar paneling and air-conditioning of the building
 3. Construction of a four-storied block of 24 rooms
 4. Construction of a College cafeteria and an eating joint
 5. Construction of a utility corner in the College
 6. Construction of consolidated sports facility
 7. Construction of a new auditorium and a seminar room
 8. Construction of hostels for girls
 9. Construction of flats for the staff, including that of the Principal
 10. Facelift of the exterior of the building
- X. The Governing Body approved landscaping of the front area of the College.
- XI. The Governing Body **approved repairs and renovation plan** of the College:
1. Shifting of College administration and accounts office to the present canteen area and relocating the canteen to the back side of the College
 2. Retrofitting of the entire building
 3. Repair of the boundary wall
 4. Creation of mezzanine floor inside the main library of the College
 5. Air-conditioning and automation of the library
 6. Extension of green lawns on the entire front portion of the College
 7. Replacement of the entire old iron railings with new ones
 8. Relocation of basketball/volleyball/tennis courts to the back side of the College
 9. Renovation of the main gate and entry area
 10. Painting and white washing of the existing building

- XII. The Governing Body approved the **appointment of Mr. Yogesh Kumar on contract basis as site engineer to supervise the construction work being carried out in the College.**
- XIII. The **Governing Body approved total coverage of the College campus by CCTV.**
- XIV. The Governing Body approved establishment of study centre for **PCP classes** of School of Open Learning, Delhi University that has been working in the College from 2014-15.
1. On approval of the Governing Body the housekeeping/sanitation services in the College have been outsourced to Sulabh International Social Service Organization since 2014.
 2. The Governing Body approved institution of Sham Sunder Arora scholarship of Rs. 2000/- per annum for topper of B.A. (Hons) Economics Final year.
 3. The Governing Body approved award of contract to M/s. R.D. Software Pvt. Ltd. for having additional computer applications/software for the College.
 4. The Governing Body approved Audited Annual Accounts for 2009-10, 2010-11, 2011-12 and 2012-13.
 5. The Governing Body approved the panel of firms of Chartered Accountants to conduct audit for 2013-14, 2014-15, and 2015-16 for submission to the University for its approval. The University approved the appointment of M/s. Vaibhav Bhatnagar & Co. as Auditor for 2013-14, 2014-15 and 2015-16.

6. Grievance Redressal Mechanism:

- ❖ Students fill out feedback forms whereby faculty performance may be monitored and any remedial measures, if required, taken.
- ❖ The office of the Principal and the administrative staff are always willing to listen to complaints, if any.
- ❖ The stakeholders have regular and open discussion regarding any issues they may have. These are taken up in the Staff Council or in the Governing Body meetings.

There are special grievance cells instituted to meet particular needs. Designated committees deal with admission-related grievances, as detailed in Criterion 2. In addition, there are some committees like Anti-Ragging and Discipline committees which look into students' problems. The Internal Complaints Committee has been specially empowered to deal with sexual harassment cases.

The **North-East Students' Welfare Committee** has been instituted to address the challenges faced by students from the North East.

Legal Action against Institution

There have not been any instances of court cases filed by and against the College.

6.3 FACULTY EMPOWERMENT STRATEGIES

The institution maintains professional standards of its teaching and non-teaching staff alike. To this end,

- ❖ Staff members are encouraged to attend workshops and training sessions at institutes of higher learning and research centres.
- ❖ The faculty is frequently sent on skill upgradation courses such as the CPDHE and the ELPC (organized by the Institute of Lifelong Learning, Delhi University).
- ❖ Leave facility is granted for attending refresher courses, conferences and seminars at the University and at other institutions.
- ❖ The College conducts training workshops, inviting professionals to address issues of better management, ICT training, etc.
- ❖ The College inculcates an atmosphere of academic rigour, and is constantly updating its infrastructural facilities to cater to evolving demands of its stakeholders.
- ❖ Encouraging the non-teaching staff to use ICT, enabling them in the use of new technologies to improve the administrative functioning of the College.
- ❖ Creating online platforms for financial and administrative transactions and training the staff to use them.
- ❖ Holding scheduled meetings with the Principal to ensure the smooth functioning of departments and societies. The faculty are also encouraged to come up with innovative pedagogic techniques and given enough leeway to experiment with ways of enhancing the teaching-learning process

Appraisal System

The Annual Performance Appraisal (APAR) is prepared for administrative staff along the same lines as that conducted for the Central Government Civil Services Staff.

In one part, the concerned officer/employee is obligated to record his/her contributions, objectives, achievements and constraints. In another part the Reporting Officer provides a complete picture of officer's accomplishments, quality of work performed, ability, sense of responsibility, amenability to discipline, communication skills, leadership qualities, knowledge regarding rules and regulations, decision making ability, etc., giving his/her assessment on a scale of 1-10. In the last part, the Reviewing Officer records his/her agreement or disagreement with the Reporting Officer, recording his/her reasons. Then the Appraisal is forwarded to the Accepting Authority.

Annual Performance Appraisal Report (APAR) give systematical analysis of the performance of the employee reported upon, regarding his/her targets, goals, contributions, accomplishments, achievements, and constraints.

All these are done in a time-bound manner and the appraisal is disclosed/communicated to the employee reported upon (i.e., the stakeholder).

He/she is also given an opportunity to give representation about the appraisal. The appraisal process starts by 31 March of a year and by 30 November, the entire APAR process ends.

Welfare Schemes

- ❖ ARSD College Employees Co-operative Thrift and Credit Society with 127 members
- ❖ Group Insurance Scheme (till March 2013, it was for the whole staff. After that not applicable)
- ❖ Provident fund: Two schemes are available, GPF and NPS. GPF is governed as per statute 28A of the University and NPS is governed as per PFRDA rules
- ❖ Leave for seminars and university work
- ❖ Medical reimbursement
- ❖ Staff Welfare Fund with 157 members

Measures taken by the Institution for attracting and retaining eminent faculty:

ARSD implements all government norms regarding salary and benefits in a timely manner. It provides all facilities related to leave such as child care, study, medical, extra-ordinary leave and sabbatical leave under university norms. Conducive work environment, comfortable staff room, separate department rooms and research labs are some of its features that set it apart as an institution. It also gives space for creativity and personal development.

6.4 FINANCIAL MANAGEMENT AND RESOURCE MOBILIZATION

Suitable institutional mechanisms are available, by and large, to monitor effective and efficient use of financial resources. The College follows the rules and procedures as laid down in General Financial Rules (GFR) 2005. The annual budget of Revenue Expenditure and Capital Expenditure is prepared by the College and approved by the University Grants Commission (UGC). The Bursar of the College projects and allocates the available funds to different departments/societies for organizing various programmes and cultural activities for the academic year out of student societies funds. Deficit budget is not encouraged. All surplus funds are periodically invested in fixed deposits for appropriate duration. The College Governing Body monitors all major expenses.

The Governing Body has a mechanism of external audit. The Governing Body sends a panel of chartered accountants to the University and, on approval by the University, the auditor conducts audit every year. The audit report is sent to the UGC and the University. The Governing Body approves this report in its meeting.

The last audit for the financial year 2012-13 was conducted in March 2014.

No major objection has been reported by the auditors. Any minor errors of omissions and commissions, pointed out by the audit team, are immediately corrected/rectified and precautionary steps are taken to avoid recurrence of such errors in future.

Funding Sources:

The major sources of the College's receipts are fee collections from the students and the grant received from the UGC.

The Audited Income and Expenditure Statements of the College of the last four years (i.e., 2009-10 to 2012-13) is furnished herewith.

As directed by the UGC, the un-utilized grant funds are deposited in the bank in the form of fixed deposits to earn maximum interest. On the basis of audited accounts of the College of a particular financial year, the UGC sanctions further grants to the College for the next financial year, after adjusting the un-utilized grant from the previous financial year.

Total reserve fund available with the College as on 31.03.2015 is Rs. 7.13 crores in the form of fixed deposits with bank.

Table 6.1 Audited Income & Expenditure of the College of the last four year is given below

Financial Year	Maintenance Grant		Student Societies	
	Income (in lakhs)	Expenditure (in lakhs)	Income (in lakhs)	Expenditure (in lakhs)
2014-15 unaudited	3,409.43	3,069.32	191.07	106.25
2013-14 unaudited	2,557.42	2,272.77	179.90	88.71
2012-13	2,698.42	2,343.94	98.13	45.02
2011-12	2,502.47	2,202.70	84.98	42.61

Table 6.2 Year-wise Source of funds of College

Financial Year	Amount (UGC Grant) in lakhs	Fees (MG) (in lakhs)	Fees (SS) (in lakhs)	Fees (Dev.) (in lakhs)
2014-15 unaudited	3,284.80	51.86	225.80	58.11
2013-14 unaudited	2,159.62	52.97	263.31	37.97
2012-13	2,614.90	29.74	108.34	5.25
2011-12	2,376.27	24.76	100.85	5.25

Innovation Projects:

Table 6.3: 5 innovation projects were sanctioned by Delhi University in 2014-15

Project Code	Principal Investigator	Amt Sanctioned	Amt Utilised
ARSD-201	Dr. I.M. Jha	3 lakhs	2.83 lakhs
ARSD-202	Dr. Jaspreet Kaur	7 lakhs	6.24 lakhs
ARSD-203	Dr. S.S. Baghel	3 lakhs	2.99 lakhs
ARSD-204	Dr. Anup Chhaterjee	3 lakhs	2.29 lakhs
ARSD-205	Dr. R.C. Adarsh	3 lakhs	2.83 lakhs

Table 6.4: 10 new innovation projects have recently been sanctioned by Delhi University

Project Code	Principal Investigator	Amt Sanctioned	Amt Utilized
ARSD-301	Dr. Prashant Singh	4 lakhs	Nil
ARSD-302	Dr. Rajeev Singh	5 lakhs	Nil
ARSD-303	S.N. Dubey	3.5 lakhs	Nil
ARSD-304	Dr. Vinita Tuli	5.5 lakhs	Nil
ARSD-305	Nidhi Bansal	5 lakhs	Nil
ARSD-306	Dr. Sunita Bansal	4 lakhs	Nil
ARSD-307	Dr. Suman Dudeja	5 lakhs	Nil
ARSD-308	Dr. S.S. Baghel	3.5 lakhs	Nil
ARSD-309	Dr. Uma S. Singh	3.5 lakhs	Nil
ARSD-310	Anju Rustagi	5.5 lakhs	Nil

Additional Funding and its utilization:

The interest earned in fixed deposits of unutilized grants from the UGC functions as additional funds created by the College and the same is utilized to meet College expenditures.

The College has applied for additional funds for the following:

- ❖ OBC Expansion
- ❖ Girls' Hostel
- ❖ Sports Facilities
- ❖ Twelfth Plan

6.5 INTERNAL QUALITY ASSURANCE SYSTEM (IQAS)

Internal Quality Assurance Cell (IQAC)

The College has established an Internal Quality Assurance Cell (IQAC) in May 2014. The institution has adopted stringent measures regarding quality assurance and follows them scrupulously. The IQAC aims to **standardize the implementation of quality assurance initiatives**, creating an atmosphere of holistic development for all members of the College community. For a College like ours, that accommodates students **from diverse class and regional backgrounds**, and includes faculties of Science, Commerce, and Humanities, it is imperative to create an **equitable environment** where differences are embraced. In a highly competitive job market, it is also important for our students to meet the highest standards of excellence, and be endowed with **vocational skills**. The IQAC, in all of its meetings and resolutions, has sought to uphold the vision of equitable education and **enhancement of professional exposure** for our students.

- ❖ The IQAC is an inclusive entity, representative of all levels of the College community, comprising of the Principal as Chairman, members of the teaching and administrative staff, as well as external members.
- ❖ The objectives of the IQAC are to ensure excellence in terms of the quality of research, equal access to various opportunities, skill development, professional opportunities, and infrastructural facilities.
- ❖ It monitors and evaluates the adoption of institutional best practices.
- ❖ It recommends avenues of improvement and advises on grants and tie-ups with the industry that may be favorable for the College.
- ❖ It includes within its ambit the functioning of other College subcommittees and works to ensure that quality protocols are observed thoroughly.

Table 6.5 Major Decisions and Status of Implementation

Decisions Approved	Status of Implementation
The need to improve the infrastructural facilities of the College	<p>To this end, the College has</p> <ul style="list-style-type: none"> ❖ Completed work on the front gate ❖ Completed work on the Seminar Hall ❖ Is in the process of constructing a second floor to the main building and an additional block over the canteen ❖ Is in the process of constructing a mini auditorium

	<ul style="list-style-type: none"> ❖ Completed landscaping work on the front lawn
Provide equal access to differently-abled students	The construction of a ramp to the teaching block is almost complete.
Create a hygienic environment for students.	<ul style="list-style-type: none"> ❖ The College has tied up with Sulabh International, an NGO, to maintain a sanitary and hygienic College Campus ❖ Refurbishment of the toilets is under process
Invite distinguished alumni for interactive sessions.	The College invited Mr. Rajkummar Rao, a National Award winning actor, last year
Apply for research grants and Star College status.	<ul style="list-style-type: none"> ❖ The College has been awarded Star College status by DBT, GOI ❖ Rs. 1.95 crore Star Innovation Project Grant has been sanctioned by the University of Delhi ❖ The College has also applied for additional funding from Delhi University to expand its infrastructural facilities
To help students develop entrepreneurial and vocational skills.	The College has recently signed an MoU with the Ministry of MSME to begin a Business Incubation Centre on campus
Create a stronger mechanism for student-faculty interactions.	The College has put in place a mentorship programme for students. It has also crafted a better feedback system for students
To help students from the economically weaker sections with grants-in-aid.	Fee concessions

External Members:

The external members include **Prof. Madan Mohan Chaturvedi**, Director, Cluster Innovation Centre, University of Delhi and **S.N. Jha**, Registrar, Indira Gandhi Delhi Technical University for Women. Both members have made invaluable suggestions regarding improvement strategies. They have familiarized the committee with various technical requirements in the application for additional funding as well as the Star College grant.

Alumni Contribution:

- ❖ The College has created a student feedback system since 2013. The feedback forms enable the students to respond to their environment and critique its shortcomings. Feedback sought on cultural and academic issues of the College and are analyzed by the Research Co-ordination Committee. The analysis and such recommendations that emerge are sent across to the IQAC. IQAC in turn, endeavors to address some of these issues. **For details of some of the decisions taken by the IQAC, please refer to 1.4, 2.3 and post accreditation plans.**
- ❖ The Alumni Association is in the process of being formed. Informally, however, the alumni interact with the institution and give their feedback. The College Alumni Committee coordinates with alumni and receives suggestions from them.

Although the processes are integrated under the preview of the Principal, the college strives towards **continuous improvement** through decentralization.

Academic Audit or other external review of the academic provisions:

The Governing Body in its meetings assesses the challenges facing the College and conducts a thorough evaluation of how quality protocols may be implemented.

- ❖ Under the auspices of the IQAC the College monitors the maintenance of the high standards envisioned in the Constitution of the College. The Principal meets the coordinators of all departments at the beginning of each semester in order to conduct a systematic performance review, along with addressing other departmental issues.
- ❖ The Staff Council also meets periodically to discuss College matters and the adherence to the requirements of the University.
- ❖ Various College-level and departmental committees have been instituted and they meet regularly to ensure the smooth functioning of the College.

The internal quality assurance mechanisms are aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities in the following manner:

The College complies with all the UGC-mandated regulations.

The College follows all the norms and regulations of the University of Delhi, with regard to the syllabus, timetables, attendance and evaluation. All the University statutes are rigorously adhered to. Quality improvement exercises for the staff are conducted as required.

Institutional mechanisms to review the teaching-learning process:

- ❖ The student feedback forms are an indicator of the effectiveness of the teaching-learning process. The mentorship programme will further strengthen this process in an informal manner as during the **contact periods, the students are encouraged to share freely their observations regarding pedagogical and other aspects of the College.**
- ❖ The coordinator of each department, along with other permanent faculty, conducts a semester-wise review of classes conducted, evaluation duties, and other attendant matters. She/he also discusses modes of improving the transaction of lectures and ensures that tutorials/preceptorials take place on a regular basis.
- ❖ A larger intra-institutional stocktaking also takes place in meetings between the Principal and the departments.
- ❖ Challenges and shortcomings that emerge from these various interactions are tackled in a constructive manner, keeping in mind the interests of all parties involved.

Communication of quality assurance policies, mechanisms and outcomes to stakeholders:

- ❖ The College strives to maintain transparency and integrity in all its dealings with its stakeholders, and follows as closely as possible all regulations related to quality assurance.
- ❖ The Principal, in his annual inaugural address at the beginning of each session outlines the history and traditions of the College, in addition to the expectations of the College body. Plans and new developments are outlined and quality protocols are stressed.
- ❖ The website, the annual report, the information booklet, and the College prospectus cover all aspects of College life, highlight the achievements of the past year, the research activities being undertaken, and draw attention to the development plans in progress.
- ❖ The College website carries information regarding recent developments. Students and faculty may also access timetables, internal assessment records, and attendance-related data online.
- ❖ The IQAC minutes, agenda, and resolutions will also be available online for perusal by the various stakeholders.

CRITERION VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

- ❖ Atma Ram Sanatan Dharma College has been proactive in **maintaining clean environment practices** and **promoting environmental consciousness** among its students and staff. At a time when silhouettes of our everyday existence are determined by policies of environmental preservation, the College realizes the importance of instilling in its students a sense of responsibility towards environment, periodically sensitizing them through painting/essay competitions, plantation activities, documentary screening, and *in situ* visits at places like Yamuna bio-diversity park, etc.
- ❖ To institutionalize environmental concern among all the stakeholders, the College, in collaboration with the Department of Environment, Government of National Capital Territory, has established the **ARSD College chapter of the Eco Club**.
- ❖ The sprawling 12.31 acre campus of the College is among the greenest in the University. Apart from the area covered by the building, the remaining space can be categorized as various types of **green area (including gardens and lawns), well-maintained playground and space earmarked for parking vehicles**.
- ❖ The College lawns are maintained by a team of gardeners and other staff hired for this purpose. These work under the close supervision of the Gardening Committee.
- ❖ Some of the features of the green cover in the College are as follows:
 - I. The Commerce Block in the College prides itself on a beautiful garden and a water fountain.
 - II. A huge lawn, which makes use of the natural topography of the Aravali region and its rocky terrain, has been developed in the heart of the campus.
 - III. The College has a Gardening Committee which looks after the “green needs” of the campus. The responsibilities of the Committee, apart from maintaining the green cover in the campus, are to identify areas where tree plantation or development of lawns is possible, to decide on the nature of flora and to monitor various details of plantation. The aforementioned gardens are a result of meticulous planning by this Committee. The caretaker of the College, an experienced person with a Diploma in Sanitary Inspection, too helps ensure that the premises remain clean at all times.

Green Audit of campus and facilities:

- ❖ The College does not have a formal mechanism for green audit yet, but with conducting of its **maiden tree census**, a small step towards that has just been taken. However, we have several institutional mechanisms to promote environmental consciousness and green practices.

Eco-friendly initiatives:

Energy Conservation:

- ❖ Our classrooms are well-lit with huge windows and have provision for cross ventilation. This allows **classrooms to function with natural lights alone** and also minimizes the need for additional cooling. Under the on-going infrastructure expansion, special care is being taken to build upon already **existing minimum-energy classroom system**.
- ❖ Electrical appliances such as ACs are periodically serviced to ensure their energy efficiency. **The upcoming second floor is to have only energy-efficient LED lights**. Soon, the ground and first floors will also be equipped with LED lights.
- ❖ We inculcate energy conservation habits in our students and the caretaker ensures that all electrical appliances are switched off when the facility is not in use. All electrical wires are protected against transmission leakages, short circuits, etc.

Renewable Energy:

- ❖ Presently, the College does not have renewable energy utilization mechanism.
- ❖ Under the on-going infrastructure expansion, the College is making an effort to become self-sufficient in terms of its energy needs. The total aerial surface area available with the existing structure, together with the new area to be added through the planned expansion, according to our estimation, should be large enough to help the College **become self-sufficient in electricity by harnessing solar power**. Moreover, we believe that the energy thus produced will be more than what is needed for subsistence. The additional power generated can also be sold through the grid, helping the College earn some revenue.
- ❖ Every year, the College spends close to Rs. 40 lakhs towards electricity bills, inclusive of expenses incurred by Law Centre II. With the on-going expansion and with another floor added to the existing building, the electricity bill is likely to go up to Rs. 60 lakhs. This expenditure, however, can be considerably scaled down if **solar power panels are installed** in the College. The money saved and the revenue generated can be further utilized to implement environmental friendly practices and initiatives.

- ❖ The College is in the process of installing a **sewage treatment plant**. With the process of anaerobic digestion, the **sewage sludge could produce enough biogas to meet the operational energy needs for the plant** and, in the process, produce a little surplus too.

Water Harvesting:

- ❖ The College has a **water harvesting unit** near the entrance gate which is over 8 years old. The unit has an underground tank of 5x5 feet and a 4-inch diameter pipe is connected with the groundwater. The underground tanks are cleaned every year for maintenance. This practice is helping in the replenishment of the water level.
- ❖ A **sewage treatment plant** has also been planned as part of the proposed expansion. With a functional sewage treatment plant, the water extracted after treatment from the sewage sludge can be used for gardening.
- ❖ Caretakers monitor water tanks, toilets and other facilities to ensure that there are no leakages or overflows. Sulabh International Social Service Organization has recently been hired to look after these needs of the College.

Efforts at Carbon Neutrality:

- ❖ To minimize carbon emission on its campus, the College has strictly **implemented the ban on burning of dried leaves and waste paper**, etc.
- ❖ A **specific area has been earmarked for parking** to limit vehicular emission.
- ❖ The **green cover on the campus is carefully nurtured**, no trees are cut and cementing is minimized to facilitate water percolation. The use of plastic bags is also discouraged in the campus.
- ❖ In addition to the entire campus already being declared a **no plastic zone**, the College is also in the process of creating a **zero carbon zone** where entry of vehicles, usage of plastic and all forms of combustion will be prohibited. The proposed **zero carbon zone** would be developed as an open air space for student activities such as leisure reading, discussion and exchange of ideas, etc.

Plantation:

- ❖ The Gardening Committee of the College organizes **plantation drives** and monitors the gardens and lawns of the College. It is also the responsibility of the Gardening Committee to ensure that the water catchment area for trees inside the campus is not blocked through cemented constructions.
- ❖ The Gardening Committee has stepped up gardening activities in the Commerce Block since 2014. The garden has been designed with royal

palms in the front rows and fan palms on the sides. Bamboo palms, areca palms, sago palms and fistal palms now adorn the four corners of the garden and facing the corridors of the department are two concentric circles of ficus and sago palms bordered with pink roses. Gaps in the duranta hedges have been filled up and variegated. Canna of red, orange and yellow colours have been added as hedges along with rows of ficus and ferns in the entrance. In addition, majestic ashok trees, evergreen christmas, champa among others have been planted around the department to create a small green heaven.

- ❖ With the objective to promote among its students the **knowledge of cottage cures through domestic herbs**, the North-East Students' Welfare Committee (aided by the Gardening-committee), in a one-of-its-kind initiative, has set up a **mini herbal garden** by planting over 150 carefully-chosen medicinal plants such as Tulsi (*Ocimum tenuiflorum*), Aloe Vera, Henna (*Lawsonia inermis*), Patharchat (*Bryophyllum pinnatum*), Basil (*Ocimum basilicum*) and Lemongrass (*Cymbopogon citratus*), etc. Plans are already afoot for additional plantation.

Waste Management:

- ❖ The College NSS and Swachh Bharat Abhiyan Committee organize **periodic cleanliness drives** in the College. These drives are led by the Principal and witness enthusiastic participation from students and faculty members.
- ❖ Colour-coded twin dustbins are put all across the College to separate organic and inorganic waste at the source. Our Canteen too is doing its bit by using paper cups instead of plastic ones.
- ❖ Besides sanctioning the ARSD Chapter of the Eco Club, Department of Environment, Government of NCT, has also sanctioned a **paper recycling machine** which the College makes optimum use of to manage paper waste. The College maintains a **garbage dumping unit** to convert the bio-degradable waste into fertilizer. Additionally, the College is making a conscious effort at becoming a **paper free campus**; attendance/recruitment system as well as employee life cycle going online is a small step towards that.
- ❖ The College is also in the process of establishing a Sewage Treatment Plant.

E-Waste Management:

- ❖ Department of Electronics and Department of Computer Science are in charge of **e-waste management**. Used e-devices such as discarded computers, mobile phones, chargers, office electronic equipment, etc., are collected from students and faculty members and disposed off as per their condition. We are touching base with manufacturing companies to follow proper recycling procedures.

7.2 Innovations

Administrative Innovations:

- ❖ The College website has become a single-window portal for information regarding all activities/announcements of the College. Every announcement is immediately notified on the College website. The College has launched a dedicated website for Star College Grant for innovations in sciences. Both Internal Quality Assurance Cell and Business Incubation Centre (for promoting entrepreneurial skills in collaboration with the the Ministry of Micro Small and Medium Enterprises) shall have dedicated websites of their own soon.
- ❖ The application process for the on-going recruitment to regular positions in various departments is a testimony to the College's commitment to incremental reduction in use of paper. **The entire process of application, screening and selection was conducted online.** The College, thus, set a precedent that was later emulated by many other colleges of the university.

Innovations to Promote Social Awareness among Students:

- ❖ The College believes in promoting social awareness among its students and sensitizing them towards issues such as gender equality, ecological preservation, etc. To this end, the 2015 College Antardhwani stall was organized around the theme **Women Empowerment** and efforts made by College in this direction highlighted.
- ❖ The Women Development Cell of the College organizes workshops and hands-on training programmes both to promote awareness regarding the problems women face in our society as well as empower them through skill development. **Workshop on self-defence** has become a yearly feature now. A **workshop in collaboration with the NGO Shakti Vahini** and a **Beti Bachao Beti Padhao Orientation-cum-workshop** are some of the activities that the Cell has organized recently.
- ❖ NSS and NCC units of the College promote social awareness through regular activities such as **blood donation camps, cleanliness drives, poster-making competitions**, etc., both within and outside the campus.
- ❖ The belief that a healthy mind resides in a healthy body informs activities such as health check-up camps and Yoga orientation workshops.

Innovation in the Field of Academics and Culture:

- ❖ To motivate the students, the College organizes lecture-cum-interactive sessions with individuals who have excelled in their respective fields under the *Popular Lecture Series*.
- ❖ To promote entrepreneurial skills among the students, the College has collaborated with the M/oMSME to set up a **Business Incubation Centre**. The objective of the Centre is to provide support for **entrepreneurial and management development of SMEs** through incubators. Business models/proposals and innovative ideas seeking laboratory/workshop

facilities, infrastructural and mentorship assistance and financial assistance (upto 15% of incubation cost for micro start-ups and 25% in the case of small start-ups) have already been invited by the Centre. The facilities of the Centre are available to other colleges and also the society at large.

- ❖ To promote research and innovation in sciences, the College applied for and successfully secured **Star College Grant** from the Department of Biotechnology, Govt. of India. A hands-on scientific **software training workshop** was recently organized under this grant. In addition, the grant is being utilized to do in-house projects and provide industrial training through site visit to students from the departments of Physics, Chemistry, Mathematics, and Biology.
- ❖ In early 2015, Rangayan, the College Dramatics Society became the first among such societies in the university to organize three-day theatre festival entitled *Rangsheersh Jaidev*. Apart from the elaborate scale at which it was organized, the festival was special in at least two ways. First, it was thus named to honour Dr. Jaidev Taneja, the renowned drama critic and former faculty member of the College. Second, of the two productions staged at Shri Ram Centre, Mandi House, one was put together by College alumni. To promote this tradition of excellence in drama, the Principal has declared that this festival shall be a regular feature of the annual calendar of the College.
- ❖ ARSD College has established a **local chapter of the Delhi University Skill Development Centre** that has been set up in conjunction with the National Skill Development Corporation (NSDC). The College has had previous success with skill development sessions organized by it. 2014, a one-month training programme on IT and Communication Skill was organized in the College by the NSDC. It was well-received and 22 students qualified for placement in related fields.
- ❖ Workshops on theatre and films are regularly organized by the College.
- ❖ A **mentorship programme** has been started by the College to ensure that the process of learning through faculty-student interaction is not restricted to the classroom. Every teacher is assigned the mentorship of a few students and is expected to look after their academic as well as personal needs. The College is trying to take this ahead by constituting a student-faculty committee that will be responsible for innovation in academic, pedagogical and cultural activities of the College.
- ❖ In 2011, the International Year for Chemistry as declared by UNESCO, Chem-crown, our Chemical Society, became the first in the country to organize a conference entitled 'Chemistry: Our life, Our future,' in collaboration with UNESCO and International Union of Pure and Applied Chemistry.
- ❖ The Film Appreciation Society of the College organizes screening-cum-lectures around selected themes. Last year, the theme of such screenings was *world literature cinema* in which selected adaptations from films based on canonical works of literature were screened. These screening were prefaced by scholarly introductions and followed by discussions moderated by teachers associated with the Society. This year, the Society

has planned film screenings around the theme *cinemas of India*. These focused screenings will not only sharpen the focus of lectures and discussion, but also allow the students to engage with multiple variations of the same theme.

Two of the Best Practices:

(A) Title of the Practice:

Production Oriented Theatre Workshop

❖ Goal

The objective of this month-long workshop is to provide hands-on training to students about the various aspects of drama like acting, playwriting, direction, costumes, music, lighting and other aspects of theatre productions. Apart from personality development through skills acquired in these workshops, the scheme also promotes film and television as viable career options.

❖ The Context

This initiative has been taken with the goal of providing assistance to Rangayan, the College Dramatics Society, and to promote a professional attitude to theatre.

❖ The Practice

The month-long theatre workshop is organized in collaboration with premier institutes such as the National School of Drama and Sahitya Kala Parishad. During these collaborative ventures, the students get to interact with professional directors hired for this purpose. They also get to meet eminent personalities from theatre, television and cinema and get valuable domain knowledge. The entire process begins with a theatre orientation programme organized at the beginning of the semester. This year, the theatre orientation workshop was conducted by (Formerly) Prof. Devendra Raj Ankur, ex-director of NSD. Also, at the behest of the Cultural Society, a week-long music orientation workshop was conducted by Ms. Meenakshi Prasad of the Benaras Gharana. The final performance usually happens at a theatre hired for this purpose and post-production, the College also participates in various competitions.

❖ Evidence of Success

The greatest testimony to our success is our students and their commendable performances, showcased every year. Apart from the success of the theatre festival, many of our students have made successful careers in cinema and theatre. **Rajkummar Rao**, who graduated from the first batch of Rangayan, has gone on to win the **National Award for Best Acting** for his film *Shahid*.

❖ Problems Encountered and Resources Required

The need for an auditorium, with a seating capacity for at least 300 people has long been felt. An auditorium for a day costs us between Rs. 80,000 and Rs. 1 lakh.

(B) Title of the Practice:

Promotion of science based research under Star College Grant.

❖ **Goal**

The objective of the project is to promote research and innovation in the fields of Physics, Chemistry, Mathematics and Biology.

❖ **The Context**

The College hopes to utilize the funds provided by Department of Biotechnology, Government of India, to strengthen the sciences departments in the College and to bring them at the same level as the best in the country. The funds will provide young students with technical assistance towards work of inter-disciplinary nature and encourage them to innovate.

❖ **The Practice**

A dedicated science floor is proposed along with state-of-the-art research labs and a mini reference library. The fund shall also be utilized for MoUs with various research institutions and student/faculty exchange. Our location makes it easier for us to collaborate with several South Campus Colleges and sign MoUs for various science projects.

❖ **Evidence of Success**

The College has already earmarked spaces for the proposed science labs and various innovation projects to be run under the auspices of **Star College grant**. Several industrial visits for students from the departments of Physics, Chemistry, Mathematics and Biology have already been organized under the scheme. A successful software training programme was also organized.

❖ **Problems Encountered and Resources Required**

This would require customized structural modifications such as rooms fitted with RCC slabs and fuming hoods. Similarly, a water system adjusted to the needs of the laboratory is also needed. Often, the duration of an experiment stretches beyond a day's working hour. As the researchers are required to monitor data round-the-clock, an electricity system with strong power back-up is needed. There is also a proposal to establish a mini library to strengthen the science departments. Funds will also be needed to place bookracks and build a space to house such a library.

EVALUATIVE REPORTS OF VARIOUS DEPARTMENTS:

DEPARTMENT OF BOTANY

1. Name of the Department: **Botany**
2. Year of establishment: 2005
3. Names of the programs offered: Undergraduate
4. Name of the Interdisciplinary Programmes and Departments involved:

Name of Interdisciplinary Course/ Programme	Name of the Department Involved
(i) Under CBCS Mode	
Ability Enhancement Compulsory Course: Semester I Environmental Science	B.Sc.(Hons)-Chemistry, Physics, Electronics, Mathematics, Computer Science
Generic Elective Semester II Biomedical Science	B.Sc.(Hons)-Chemistry, Physics, Electronics, Computer Science, Mathematics
(ii) Under Semester System	
(a) III semester Introduction to Biology (LSPT 101)	B.Sc.(Physical Science) - Electronics, Chemistry, Computer Science
(b) IV semester Cell & Cellular Processes(LSPT 202)	

5. Annual/ Semester/Choice Based Credit system Programme wise

Name of the Course	Programme
B.Sc.(Physical Science)- Electronics, Chemistry, Computer Science	Semester

6. Participation of the Department in the courses offered by other departments:

Interdisciplinary Courses/Programme	Name of the Department Involved
(i) Under CBCS Mode	
Semester-I Ability Enhancement Compulsory Course: Environmental Science	Zoology, Chemistry
Semester-II Ability Enhancement Compulsory Course: English/ MIL Communication	English, Hindi, Sanskrit

7. Courses in collaboration with other universities, industries, foreign institutes etc.: Nil

8. Details of programmes discontinued, (if any) with reasons:

- ❖ In academic year 2013 B.Sc. (Physical Science) was discontinued under FYUP. This course has been restored since 2014.
- ❖ In academic year 2014 B.Sc. (Hons) Zoology was discontinued as FYUP system was withdrawn by University.

9. Number of teaching posts:

Posts	Sanctioned	Filled
Professor	Not Sanctioned	--
Associate Professor	Not Sanctioned	01
Assistant Professor	02	01

10. Faculty profile

Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D/ M. Phil students guided for the last 4 years
Vibha Narang	Ph.D.	Associate Professor	Physiology of Growth & Development	17 years	–
Anita Singh	Ph.D.	Assistant Professor	Cytogenetic Studies	7 months	–

11. List of senior visiting Fellows: Nil

12. Percentage of classes taken by temporary faculty :50%

13. Student/Teacher Ratio (Programme wise): 30:1

14. No. and Name of academic support staff (technical) and administrative staff sanctioned, filled and actual:

- ❖ Academic support staff sanctioned-05, Filled: 02
- ❖ Administrative staff: No separate sanction

15. Qualifications of teaching faculty with D.Sc. /D.Litt. /Ph.D./M. Phil/PG:
Ph.D.: 02

16. Number of faculty with on-going projects from (a) National (b) International (c) Institutional funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc., and total grants received: 01 project

Name and Designation of Principal Investigator	Title of the Project	Name of Funding Agency	Grant Sanctioned (Rs) & Year of Sanctioned	Status of the Project
Dr. Vibha Narang (as Research Scientist) Under the DST Young Scientist Scheme	Mass Scale propagation of bamboos and production of synthetic seeds	Department of Science and Technology, New Delhi	4 Lakhs	1995-1997 1997-1998 (Successfully completed)

18. Research Centre /facility recognized by the University: Nil

19. Publications:

(a) Publication per faculty

Name of Faculty	Number of publications in peer reviewed journals		Chapters in Books	Books edited	Books Authored with ISBN/ISSN with details of publishers
	National	International			
Vibha Narang	-	04	02	-	-
Anita Singh	-	-	-	05	01

- ❖ Number of papers published in peer reviewed journals (national/international) by faculty and students: 02
- ❖ 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.):04
- ❖ Books with ISBN with details of publishers:01
- ❖ Citation Index:
Citations: 109
i10-index: 2
- ❖ Impact Factor Range:0-2.936
- ❖ h-index :3

20. Areas of consultancy and income generated: Nil

21. Faculty as members in a) National committee/International Committees / Editorial board :Nil

22. Student projects:

- a) Percentage of student who have done in-house projects including interdepartmental programme: 6%
- b) Percentage of student placed for project in organizations outside the institution, i.e., Research Industries/Industry/other agencies: Nil

23. Awards / Recognitions received by faculty and students:

- ❖ Awards/ Recognitions received by faculty: Nil
- ❖ Awards/ Recognitions received by Students: Every year the college recognizes the students who secure 1st and 2nd position in all the 3 years in different courses/ programmes with cash prize and an appreciation certificate. The list of such students is given below:

Student Name	Year	Course	Position/Award
Eshwaria III year	2013-14	B.Sc. (Physical science) Electronics	I
Asha Verma III year			II
Deepak Chandra II year			I
Amit Kumar II year			II
Nikita Chauhan III year	2013-14	B.Sc. (Physical science) Chemistry	I
Puja III year			II
Vinay Kadian II year			I
Priyanka Verma II year			II
Nisha Kumari III year	2013-14	B.Sc. B.Sc. (Physical science) Computer Science	I
Sakshi Sejwal III year			II
Sameer Chaudhary II year			I
Nikita Tomar II year			II
Nitin Pawan III year	2012-13	B.Sc. (Physical science) Electronics	I
Kashira Seharawat III year			II
Eshwaria II year			I
Rahul Sharma II year			II
Deepak Chandra Bhatt I year			I
Amit Kumar I year			II

Student Name	Year	Course	Position/Award
Vinay Kumar III year	2012-13	B.Sc. (Physical science) Chemistry	I
Sadhna III year			II
Nikita Chauhan II year			I
Puja II year			II
Vinay Kadian I year			I
Shalujha & Rahul Kumar I year			II
Manju Sharma III year	2012-13	B.Sc. (Physical science) Computer Science	I
Nitasha Yadav III year			II
Raman Sharma II year			I
Nisha Kumari II year			II
Sameer Chaudhary I year			I
Manish Gupta I year			II
Sweety Pundir I year	2013-14	B.Sc. (Hons) Zoology	I
Kumari Komal I year			II

❖ Dr. S. K. Batra Memorial Prize-Best student of B.Sc. (Physical sciences) Electronics of the college: Eshwaria (II year).

24. List of eminent academicians and scientists/visitors to the Department:

❖ Prof. Rup Lal from Department of Zoology, University of Delhi.

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National b) International: Nil

26. Student profile programme/course wise:

Name of the Course/ Programme	Year	Applications Received	Admitted	Appeared		Pass Percentage
				M	F	
B.Sc. (Physical. Science) Chemistry	2011-12	*	95	20	14	70.59
	2012-13	*	103	24	13	35.14
	2013-14	*	109	49	34	30.12
	2014-15	*	79	39	25	40.63

Name of the Course/ Programme	Year	Applications Received	Admitted	Appeared		Pass Percentage
				M	F	
B.Sc. (Physical Science) Electronics	2011-12	*	78	27	19	41.30
	2012-13	*	84	21	04	64.00
	2013-14	*	109	73	17	46.67
	2014-15	*	79	47	23	42.86
B.Sc. (Physical Science) Computer Science	2012-13		77	19	11	60.00
	2013-14	*	76	43	21	48.44
	2014-15	*	72	43	20	38.10

*There is centralized system for admission form. The students apply for various courses online/offline to all the colleges of University. The College decides cut off after receiving CD of applications from University.

27. Diversity of Students:

Name of the course	Year	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. (Physical Science) Computer Science	2013-14	48.34	51.66	---
	2014-15	51.42	48.42	---
	2015-16	62.33	37.66	---
B.Sc. (Physical Science) Chemistry	2013-14	54.64	45.36	---
	2014-15	56.45	43.54	---
	2015-16	67.82	32.19	---
B.Sc. (Physical Science) Electronics	2013-14	61.54	38.46	---
	2014-15	53.42	46.55	---
	2015-16	53.33	46.67	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.: The College is in process of formalizing the mechanism to collect the data through alumni network.

29. Student progression information: The College is in process of formalizing the mechanism to collect the data through alumni network.
30. Details of Infrastructural facilities
- Library: College has well equipped central library which contains 574 books of Botany & Zoology.
 - Internet facilities for Staff & Students: Campus is Wi-Fi enabled.
 - Class rooms with ICT facility: The College has a number of classrooms with ICT facility which are shared by various departments.
 - Laboratories: One well-equipped laboratory shared by Botany & Zoology departments both.
31. Number of students receiving financial assistance from college, University, government or other agencies: Year 2014-2015: 13
32. Details on student enrichment programmes (special lectures/workshops/seminar) involving external experts: 01
- Dr. B. C. Sabata from Department of Environment, Govt. of NCT of Delhi, delivered a lecture in 2015.
33. Teaching methods adopted to improve student learning:
- ❖ The academic tours for students are meticulously designed.
 - ❖ Assignment and Tests are given to students. They are also asked to give presentations.
 - ❖ Teacher-Student interactive sessions to enhance student confidence and personality.
 - ❖ An exhaustive list of textbooks is in pipeline for purchase under the Star College Scheme for upgrading the quality of teaching.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities: The Department and the students participate in ISR events organized by the college. Members of the Department along with the students have been actively engaged in social awareness campaigns like “**Beti Bachao Beti Padhao.**” The department faculty has also participated in activities including “**Swachh Bharat Abhiyan,**” cleanliness drive, awareness programme for health and hygiene, dengue prevention awareness programme. Environment friendly practices are being carried out by the students under the Eco Club of the college.
35. SWOC analysis of the department and Future plans

Strengths:

- ❖ Wide range of courses and well established departments.
- ❖ Computer enabled class rooms that facilitate video/virtual demonstrations for various complex biological topics.
- ❖ Eco Club engaged in recycling of waste paper.
- ❖ Herbal garden development is in progress.
- ❖ Highly equipped labs for pursuing research work.
- ❖ Lecture rooms fitted with LCD projector and overhead display
- ❖ Faculty has expertise in the field of physiology of growth & development, plant tissue culture, morphogenesis and cytogenetic studies.

Weakness:

- ❖ Requirement of controlled condition in the form of a culture room and a bigger lab for conducting experiments.
- ❖ In spite of having skilled faculty and advanced equipments, students are not able to use them because of insufficient work space.

Opportunities:

- ❖ Molecular biology techniques for the Biotech and Pharmaceutical industries will be dealt with modern day techniques to make the students conversant with respect to standard experimental knowledge in the field. Hand on training workshop will be carried for students.

Challenges:

- ❖ Construction of working laboratory for conducting experiments is a big challenge for the department due to inadequate space.

Future plans:

- ❖ Two separate laboratories needed for Botanical and Zoological sciences
- ❖ To get approval for applied courses & Honours courses for both the Departments so as to benefit the students
- ❖ To organize National & International seminar/workshop as the lab is well equipped
- ❖ We will involve more students in innovation/in-house project.

DEPARTMENT OF CHEMISTRY

1. Name of the Department: **Chemistry**
2. Year of establishment: 1959
3. Names of the programmes/Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph.D., D.Sc. D. Lit., etc.): Under Graduate
4. Name of the Interdisciplinary Courses and departments/units involved:

Interdisciplinary Courses/Programme	Name of the Department involved
(i) Under CBCS System	
(a) Generic Elective: Semester –I: Atomic Structure, Bonding, GOC & Aliphatic Hydrocarbon Semester –II- Chemistry of s and p block elements, States of matter and Chemical Kinetics/Organometallics/bioinorganic chemistry, Polynuclear hydrocarbons and UV IR spectroscopy	B.Sc. (Hons) Physics, Mathematics, Computer Science, Electronics.
(b) Ability Enhancement Compulsory Courses: Semester –I: Environmental Science Semester –II: Environmental Science	B.Sc. (Hons) Physics, Mathematics, Computer Science, Electronics, Chemistry B.A. (Hons) Political Science, History, Economics, Commerce, Hindi, English
Semester I DSC-2A : Atomic Structure, Bonding, GOC & Aliphatic Hydrocarbon Industrial chemistry-1: Industrial chemicals and environment Semester II DSC-2B: Chemical Energetics, Equilibria & Functional Group Organic Chemistry-I	B.Sc.(APS) Industrial Chemistry B.Sc.(APS) Industrial Chemistry
(ii) Under Semester System	
Semester III: CHPT-303 Chemistry- III Semester IV: CHPT-404 Chemistry- IV	B.Sc.(APS) Industrial Chemistry

5. Annual/ Semester/ Choice Based Credit system(Programme wise):

Name of Course/Programme	System
B.Sc. (H) Chemistry -1 st year B.Sc. Physical Science - 1 st year B.Sc. (Applied Physical Sciences) Industrial Chemistry– 1 st year	Choice Based Credit System (CBCS)
B.Sc. (H) Chemistry-2 nd and 3 rd year	Semester System

6. Participation of the department in the courses offered by other departments:

Course offered	Name of the Department involved
(i) Under CBCS Mode	
(a) Semester I: Ability Enhancement Compulsory Courses: Environmental Science (b) Semester II : Ability Enhancement Compulsory Courses: English/MIL Communication	Botany, Zoology English, Hindi, Sanskrit
Semester I and II: Generic Elective (GE) Course	Mathematics, Physics, Electronics and Computer Science
(ii) Under Semester System	
i. Semester- III :Mathematics II (MACT- 302) ii. Semester- IV: Physics- II (PHCT-402)	Mathematics Physics

7. Courses in collaboration with other universities, industries, foreign institutes etc: Nil

8. Details of courses/programmes discontinued, (if any) with reasons:

- ❖ In the academic year 2013 B.Sc. (Physical Science) and B.Sc.(APS) was discontinued under FYUP. These courses have been restored since 2014.
- ❖ In the academic year 2014, FYUP system was withdrawn by University.

9. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others):

Posts	Sanctioned	Filled
Professor	Not Sanctioned	--
Associate Professor	Not Sanctioned	06
Assistant Professor	25	19

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

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of M. Phil/Ph.D. Students guided for last 4 years
R.K. Gautam	Ph.D	Associate Professor	Organic	38 years	-----
Kavita Bhatia	Ph.D	Associate Professor	Physical	33 years 9 months	-----
Jaya Tomar	Ph.D	Associate Professor	Organic	23 years	-----
Sunita Bhagat	Ph.D	Associate Professor	Organic	20 years	Ph.D: 3 completed, 4- pursuing MPhil: 2 completed
Suman Dudeja	Ph.D	Associate Professor	Organic	17 years	-----
Neoram Premjeet Singh	M.Sc. (Pursuing in Ph.D)	Assistant Professor	Inorganic	10 years	-----
Anju Gulati	Ph.D	Associate Professor	Organic	19 years	-----
Prashant Singh	Ph.D	Assistant Professor	Organic	10 years	-----
Sunita Bansal	Ph.D	Assistant Professor	Physical	10 years 9 months
Rajeev Singh	Ph.D	Assistant Professor	Inorganic	9 years	-----
Neeta Azad	M.Phil. Ph.D	Assistant Professor	Physical	6 years	-----

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of M. Phil/Ph.D. Students guided for last 4 years
	(Submitted)				
Meenakshi Gupta	Ph.D	Assistant Professor	Physical	10 years	-----
Bachan Meena	M.Sc.	Assistant Professor	Inorganic	6 years	-----
Vishnu Kumawat	M.Sc.	Assistant Professor	Physical	6 years	-----
S. C. Mohapatra	Ph.D	Assistant Professor	Inorganic	6 years	----
Jaspreet Kaur	Ph.D	Assistant Professor	Physical	6 years 6 months	-----
Mukesh Kumar Bhimwal	Ph.D	Assistant Professor	Inorganic	5 years	-----
Sangita Aggarwal	Ph.D	Assistant Professor	Organic	5 years	-----
Snehlata	Ph.D	Assistant Professor	Organic	4 years 3 months	-----
Ram Swaroop Maharia	Ph.D	Assistant Professor	Organic	4 years	-----
Bhaskar Nand Pant	Ph.D	Assistant Professor	Organic	4 years 3 months	-----
Jagveer Singh	Ph.D	Assistant Professor	Inorganic	2 years	-----
Sunita	Ph.D	Assistant Professor	Physical	8 months	-----
Radha Raman Maurya	Ph.D	Assistant Professor	Organic	8 months	-----
Akhalish Kumar Azad	M.Sc.	Assistant Professor	Physical	5 years	-----

11. List of senior visiting Faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty: 60%
13. Student/Teacher Ratio (Programme-wise): B.Sc. (Hons) Chemistry: 17:1
14. No. of academic support staff (technical) and administrative staff:
 - ❖ Academic Support staff : Sanctioned: 22 & Filled: 10
 - ❖ Administrative staff: No separate sanction.
15. Qualifications of teaching faculty with DSc /D.Litt. /Ph.D./M.Phil/PG:
Ph.D.: 21, M.Phil: 01& M.Sc.: 02
16. Number of faculty with ongoing projects from (a) national (b) international funding agencies and grants received.

(a) National: 03

Name of Funding Agency	Number of faculty	Grant (Rs)
Department of Science and Technology (DST)	01	43 Lakhs
University Grant Commission (UGC)	01	13.7 Lakhs
Indian Council of Medical Research (ICMR)	01	54 Lakhs

(b) International: Nil

(c) Institutional: 04

Name of Funding Agency	Number of faculty	Grant (Rs)
University of Delhi(04 Innovation projects)	11	18.5 Lakhs

Name and Designation of Principal/ Co-Investigator	Title of the Project	Name of Funding Agency	Duration of Projects	Grant (Rs)
Rajeev Singh, Neeta Azad	“Building a Future for Water: Cost effective Alternative Plan to YAP and GAP, Remedial and recovery”	University of Delhi (DU)	2015-2016	5 Lakhs
Suman Dudeja, Bachan Meena	“Synthesis of Nanostructured materials and their interaction with biological systems for nanomedicine and medical nanorobotics”	University of Delhi (DU)	2015-2016	5 Lakhs
Sunita Bansal,	“Synthesis of transition metal nano-particles	University of Delhi	2015-2016	4.5 Lakhs

Name and Designation of Principal/ Co-Investigator	Title of the Project	Name of Funding Agency	Duration of Projects	Grant (Rs)
Subash Chandra Mohapatra, Sangita Agrawal	functionalized/decorated with graphene and other organic moiety for removal of impurities from air and water”	(DU)		
Prashant Singh, Bhaskar Pant, RadhaRaman Maurya	“Noscapines encapsulated nanopolymers: Potent anti-cancerous agents”	University of Delhi (DU)	2015-2016	4 Lakhs

(d) Total grant received: Rs.-1,29,20,800/-

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc.andtotal grants received:

Name and Designation of Principal Investigator	Title of the Project	Name of Funding Agency	Grant Sanctioned (Rs) & Year of Sanctioned	Status of the Project
Sunita Bhagat (Associate Professor)	“Design and Strategic Synthesis of some Novel Marine Natural Products of Biological Importance.”	Department of Science and Technology (DST)	43 Lakhs (Feb-2015)	In Progress
Sunita Bhagat (Associate Professor)	“Synthesis of novel . . . isolated from E Jambolina.”	Indian Council of Medical Research (ICMR)	54 Lakhs (Nov-2013)	In Progress
Rajeev Singh (Assistant Professor)	“Synthesis and Characterisation studies of some single source molecular precursors of Al(III), V (V), Ti (IV) and related metals for the preparation of ceramic materials”	University Grants Commission (UGC)	13.7 Lakhs	In Progress
Sunita Bhagat (Associate Professor)	“Development of New Fluorine containing Building blocks for Regioselective Synthesis of Biologically important fluoroheterocycles.”	University Grants Commission (UGC)	7.76 Lakhs (March-2009)	Completed Successfully
Sunita Bhagat	“Development of new fluoroheterocyclicchalcones and ketene aminals as	Department of Science and	19.95 Lakhs (June-	Completed Successfully

Name and Designation of Principal Investigator	Title of the Project	Name of Funding Agency	Grant Sanctioned (Rs) & Year of Sanctioned	Status of the Project
(Associate Professor)	potential intermediates for synthesis of biologically important heterocycles.”	Technology (DST)	2009)	
Sunita Bhagat (Associate Professor)	“Design and Synthesis of Novel Fluorine Containing Heterocycles of Biological Interest.”	Department of Science and Technology (DST)	17.52 Lakhs (2004)	Completed Successfully in 2009.
Suman Dudeja (Associate Professor)	“Theoretical Investigations of some Organic Molecules for potential use in Molecular Resonant Tunneling Diode (MRTD).”	University Grants Commission (UGC)	2.5 Lakhs (2010-12)	Completed successfully in 2012
Sunita Bansal (Assistant Professor)	“ <i>Study the factors responsible for food adulteration, detection of adulteration and effect over the health of this adulterated food.</i> ” (Innovation projectscheme)	University of Delhi (DU)	10 Lakhs (May-2012)	Completed successfully
Sunita Bansal (Assistant Professor)	“Design and Synthesis of potentially biocompatible bile acid based polymers” (Innovation project scheme)	University of Delhi (DU)	7 Lakhs (2014)	Completed successfully in 2015
Prashant Singh (Assistant Professor)	“Use of Metal nanoparticles as efficient catalysts in the synthesis of biological important thiazolidine-2, 4-diones.”	University Grants Commission (UGC)	10.49 Lakhs (2010)	Completed Successfully
Prashant Singh (Assistant Professor)	“Novel route for the synthesis of potent thiazolidine -2,4-diones (Resiglitazone, Pioglitazone and DRF-2189) as well as their derivatives and evaluation of their Physical & chemical properties.”	Department of Science and Technology (DST)	19.9 Lakhs (2011)	Completed Successfully

❖ Total Grant Received:

Name Of Funding Agency	No of Projects	Total grant recieved (Rs)
Department of Science and Technology (DST)	03 (completed) 01 (on-going)	1.0037 crore
University Grant Commission (UGC)	03 (completed) 01 (on-going)	34.46 Lakhs
University of Delhi (Innovation Project Scheme)	02 (completed) 04 (on-going)	35.50 Lakhs
Indian Council of Medical Research (ICMR)	01 (on-going)	54 Lakhs

18. Research Centre /facility recognized by the University:03

- i. Dr. Sunita Bhagat
- ii. Dr. Prashant Singh
- iii. Dr. Rajeev Singh

19. Publications:

(a) Publication per Faculty:

Name of the faculty	Number of Peer reviewed Publications		Chapter in Books	Books Edited	Books with ISBN/ ISSN
	National	Inter-national			
R. K. Gautam	20	--	--	--	--
Kavita Bhatia	02	--	--	--	--
Jaya Tomar	03	01	--	--	--
Sunita Bhagat	02	27	--	--	03
Suman Dudeja	--	07	--	--	03
Neoram Premjeet Singh	--	--	--	--	--
Anju Gulati	01	03	--	--	--
Prashant Singh	01	23	02	--	--
Sunita Bansal	--	02	--	02	--
Rajeev Singh	--	16	01	--	--
Neeta Azad	--	02	--	--	--

Name of the faculty	Number of Peer reviewed Publications		Chapter in Books	Books Edited	Books with ISBN/ ISSN
	National	Inter-national			
Meenakshi Gupta	--	01	--	--	--
S. C. Mohapatra	02	10	--	--	--
Jaspreet Kaur	01	04	--	--	--
Mukesh Kr. Bhimwal	01	06	--	--	--
Sangeeta Aggarwal	01	05	--	--	--
Snehlata	--	07	--	--	--
Bhaskara Nand Pant	--	15	--	--	--
Ram S. Maharia	--	06	--	--	--
Vishnu Kumawat	01	--	--	--	--
Jagveer Singh	08	02	--	--	--
Sunita	--	04	--	--	--
Bachan Meena	01	--	--	--	--
Radha Raman Maurya	01	02	--	--	--

- ❖ Number of papers published in peer reviewed journals (national / international) by faculty and students: 192
- ❖ 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.): 180
- ❖ Monographs: Nil
- ❖ Chapter in Books:03
- ❖ Books Edited:02
- ❖ Books with ISBN/ ISSN:06
- ❖ Citation Index:
Citation: 1439
i-10 index: 45
- ❖ h-index: 20
- ❖ Impact factor: (Range–0.4 to 8.02)

20. Areas of consultancy and income generated: Nil

21. Faculty as members in:

(a) National Committees:

❖ Dr.SunitaBhagat:01

- i. Member, Quick Review of NCERT Text Books for Higher Secondary Stage.

(b) International Committees:Nil

(c) Advisory/ Editorial Board:

❖ Dr. Rajeev Singh: 04

- i. Lead Guest Editor, Special Issue “Bioactivities of Organotransition Metal Complexes including Metallocene”, Bioinorganic Chemistry and Applications (2014-15)
- ii. Editor, International Journal of Energetic Materials
- iii. Editor Member, International Journal of Chemical Synthesis and Chemical Reactions.
- iv. Advisory board, World Research Journal of Inorganic Chemistry.

22. Student Projects:

(a) Percentage of the students who have done in-house Summer training/ research projects: 7%

(b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: 2%

23. Awards / Recognitions received by faculty-

(a) Awards Received by Faculty

❖ SunitaBhagat: 03

- i. Awarded Excellence in Teaching and Research Award in December, 2014 by Coastal Chemical Research Society, Andhra University, Visakhapatnam.
- ii. Awarded Best Chemistry Teacher Award (Undergraduate category) 2013 by Tata Chemicals and Royal Society of Chemistry and ACT.
- iii. Awarded finalist for Best Chemistry Teacher Award in 2011(Undergraduate category) by IACT and Tata Chemicals.

❖ Rajeev Singh

International Travel Awards: 04

- i. 44th IUPAC CONGRESS, Istanbul, Turkey (2013), Thiohydrazone Complexes of Organotin(IV) with promising Anti-Corrosion and Bioactivity Results,(International travel award by UGC).

- ii. 42nd IUPAC CONGRESS, Glasgow, UK (2-7 August 2009), Organotin (IV) Complexes of thiohydrazones of phenethylamine: Synthesis, Characterization, biological, thermal, corrosion and XRD studies. (International travel award by UGC).
 - iii. 40th IUPAC CONGRESS; Beijing, China (14-19 August, 2005); Biological Aspects, Corrosion Inhibition, Thermal & Spectral Characterization of Some Synthesized Organotin (IV) Coordination Compounds. (International travel award by DST).
 - iv. Santa Fe, USA (June 25-July 1, 2004), IUPAC XI–International Conference on Coordination and Organometallic Chemistry Of Germanium, Tin And Lead, Organotin (IV) Complexes of Thiohydrazides&Thiohydrazones: Synthesis, Characterization and Thermal Study. (<http://www.gtl-xi.utep.edu/>) (International travel award by CSIR).
- ❖ Prashant Singh:02
- i. Postdoctoral Research Award by University Grant Commission (UGC) in January, 2012.
 - ii. Awarded as Young Scientist by Department of Science & Technology (DST) in July, 2011
- ❖ Subash Chand Mohapatra:01
- i. Awarded as D. S. Kothari Post Doctoral Fellow by University Grant Commission (UGC) in 2009.
- ❖ Rajeev Singh: 01
- i. Awarded as Post Doctoral fellow by The World Academy of Sciences- CNPq (TWAS- CNPq) Postdoctoral fellowship Centro de Ciências, Universidade Federal do Ceará, Fortaleza- CE, Brazil (2011-2012).

Best Poster Award

- ❖ Rajeev Singh: 02
- i. M.D. Karkhanavala Award -2006, 15-THERMANS, Indian Thermal Analysis Society (Bhabha Atomic Research Centre), Jaipur, India; “Recent Advances in the Thermal Analysis of Polymer Materials”.
 - ii. He won 2nd position in Poster presentation, 3rd Indo-UK conference on recent advances in Chemical sensors to be held at Gargi College, University of Delhi on 25th -26th Aug. 2015, “Structure and optical investigation of alumina nanoparticle via sol-gel technology”.

Best Oral Presentation Award

- ❖ Rajeev Singh: 01
- i. ISCAS-2015, 9th national Conference on solid state Chemistry and Allied Areas, Bhaskaracharya College of Applied Sciences, University

of Delhi, May 08-2015 , “High performance and photo-functional polyimides from 4-aminocinnamic acid via synthesis of 4,4'-diaminostilbine”

❖ Jaspreet Kaur: 03

- i. Jaspreet Kaur won first position in poster presentation , “Preliminary studies of degradable, 2-hydroxyethyl methacrylate/Cholic acid based random copolymers”, poster presented at two days National Conference on “Emerging Trends in Chemical and Pharmaceutical Sciences” held at Banasthali University, Rajasthan March 12/13/2015).
- ii. Jaspreet Kaur won second position in poster presentation, “Acrylonitrile-Methyl Acrylate 2-Vinyl Pyridine Copolymers: Prediction of Carbon-13 Chemical Shifts Using Artificial Neural Network” (participated and poster presented at two days National seminar on “Innovations in Polymers towards Sustainability and Growth” held at Bhaskaracharya College of Applied Sciences (University of Delhi), Dwarka, Delhi, March 2-3, 2012 .
- iii. Jaspreet Kaur won second position in poster presentation “Acrylonitrile-2-hydroxy ethyl methacrylate/methyl acrylate copolymers: 2D-HSQC NMR studies and prediction of $^{13}\text{C}\{^1\text{H}\}$ chemical shift” at three days National conference on “Polymer for Advanced Technologies” held at National Chemical Laboratory, Pune December 17-20, 2006.

Best paper Award

❖ R.K. Gautam: 01 (Cooper mamorial Award)

- i. “Studies in cyclohexane Series, Part XIX. Synthesis of isomeric 1-carboxy-3,4-dimethylcyclohexane-1- α -alkyl acetic and succinic acid and their resolution into the enantiomeric forms”; R.K.Gautam, G.S. Saharia, J.Inst.Chemists (India), 1984,56, 23-26.

❖ Subash Chandra Mohapatra: 01

- i. S.C. Mohapatra, H.K.Tiwari, B.Ratrhi, A.Sharma, Mukesh Kumar, Saket Sinha, Shyam Singh Chauhan, “Antimalaria evaluation of Copper(II) nano hybrid solids: Inhibition of Plasmepsin II, a hemoglobin-degrading aspartic protease from Plasmodium falceparum using nonpeptidyl copper (II) nano hybrid solids,” Journal of Biological Inorganic chemistry 15(3) (2010): 373-385.

(b) Awards received by Students:

Every year the college recognizes the students who secure 1st and 2nd position in all the three years in different courses / programmes with cash prizes and appreciation certificates. The list of students is given below.

Name of the Students	Name of Course/ Programme	Position
Year-2013-14		
Rachita	B.Sc.(H) Chemistry I Year	1 st
Dharmendra	B.Sc.(H) Chemistry I Year	2 nd
Bhawana Chauhan	B.Sc.(H) Chemistry II Year	1 st
Aditi Roy	B.Sc.(H) Chemistry II Year	2 nd
Manish Rawat	B.Sc.(H) Chemistry III Year	1 st
Lakshmi Arora	B.Sc.(H) Chemistry III Year	2 nd
Ayushi	B.Sc. (APS) Industrial Chemistry- II Year	1 st
Abhishek Jindal	B.Sc. (APS) Industrial Chemistry- II Year	2 nd
Diksha Pandey	B.Sc. (APS) Industrial Chemistry- III Year	1 st
Longjan Athouba Metei	B.Sc. (APS) Industrial Chemistry- III Year	2 nd
Vinay Kadian	B.Sc. (Prog) Physical Science Chemistry- II Year	1 st
Priyanka Verma	B.Sc. (Prog) Physical Science Chemistry- II Year	2 nd
Nikita Chauhan	B.Sc. (Prog) Physical Science Chemistry- III Year	1 st
Puja	B.Sc. (Prog) Physical Science Chemistry- III Year	2 nd
Year- 2012-13		
Bhawana	B.Sc.(H) Chemistry I Year	1 st
Aditi Roy	B.Sc.(H) Chemistry I Year	2 nd
Manish Rawat	B.Sc.(H) Chemistry II Year	1 st
Roopam	B.Sc.(H) Chemistry II Year	2 nd
Mansi Makkar	B.Sc.(H) Chemistry III Year	1 st
Goldy Bhardwaj	B.Sc.(H) Chemistry III Year	2 nd
Abhishek Jindal	B.Sc. (APS) Industrial Chemistry- I Year	1 st

Name of the Students	Name of Course/ Programme	Position
Deksha Pandey	B.Sc. (APS) Industrial Chemistry- II Year	1 st
Lonjan Athouba Metei	B.Sc. (APS) Industrial Chemistry- II Year	2 nd
Meghan Basik	B.Sc. (APS) Industrial Chemistry- III Year	1 st
Apoorva	B.Sc. (APS) Industrial Chemistry- III Year	2 nd
Vinay Kadian	B.Sc. (Prog) Physical Science Chemistry- I Year	1 st
Shalu Jha & Rahul Kumar	B.Sc. (Prog) Physical Science Chemistry- I Year	2 nd
Nikita Chauhan	B.Sc. (Prog) Physical Science Chemistry- II Year	1 st
Puja	B.Sc. (Prog) Physical Science Chemistry- II Year	2 nd
Vinay Kumar	B.Sc. (Prog) Physical Science Chemistry- III Year	1 st
Sadhana	B.Sc. (Prog) Physical Science Chemistry- III Year	2 nd

24. List of eminent academicians and scientists / visitors to the department:

- ❖ Prof. Roop Lal, Dept. of Zoology, University of Delhi, Delhi (during Inter College Chemistry Festival [Chem Crown] held on 10th -11th Feb. 2014).
- ❖ Prof. N.K. Kaushik, Dept. of Chemistry, University of Delhi, (during Inter College Chemistry Festival [Chem Crown] held on 14th -15th Dec. 2009).

25. Seminars/ Conferences/Workshops organized & the source of funding:

(a) National:

- i. Chem-Crown (Chemical Society) organised (as official Partner) a conference entitled “Chemistry: Our life, Our future”, held on 31 Jan-1st Feb. in collaboration with UNESCO and IUPAC declared International year of Chemistry, IYC 2011.

(b) International: Nil

26. Student profile programme/course wise:

Name of the Course/programme	Year	Application Received	No of students Admitted	Appeared		Pass Percentage
				M	F	
B.Sc.(H) Chemistry	2011-12	*	154	35	50	87.06
	2012-13	*	119	35	32	65.67
	2013-14	*	93	42	45	50.57
	2014-15	*	115	44	53	62.89
B.Sc. (APS) Industrial Chemistry	2011-12	*	57	17	17	64.71
	2012-13	*	54	24	19	60.47
	2013-14	*	60	29	18	53.19
	2014-15	*	69	32	22	57.14

*There is a system of centralised admission form, the students applied for various courses/programmes (offline/online) to all colleges of university. The College decides cut-off after receiving CD of applications.

M: Male, F: Female

27. Diversity of Students:

Name of the Course	Year	% of students from the same state	% of students from other states	% of students from abroad
B.Sc. (H) Chemistry	2012-2013	52	48	--
	2013-2014	46	56	--
	2014-2015	44	56	--
	2015-2016	56	44	--
B.Sc.(APS) Industrial Chemistry	2012-2013	58	42	--
	2013-2014	--	--	--
	2014-2015	44	56	--
	2015-2016	48	52	--

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: The College is in the process of formalizing a mechanism to collect the data through alumni network.

29. Student progression information: The College is in the process of formalizing a mechanism to collect the data through alumni network.

30. Details of Infrastructural facilities:

- (a) Departmental Rooms-04 rooms are available for faculty to interact with students.
 - (b) Library- College has well established library with sufficient number of subject related books (7378).
 - (c) Internet facility for staff and Students- High speed internet is enabled through Wi-Fi in the Department. Computers are provided by University of Delhi with internet facility in computer lab which is accessible for faculty and students.
 - (d) Class rooms with ICT-Some of the classrooms are equipped with LCD projectors.
 - (e) Laboratories:
 - i. Three well equipped UG-level chemical laboratories.
 - ii. Five research laboratories with highly sophisticated instruments and internet facilities for research with easy access to scientific web browser and sites such as Sci-finder/Scopus/ Google Scholar etc. MPhil /Ph.D. students are pursuing their research in these labs.
31. Number of students receiving financial assistance from college, university, government or other agencies:
- i. Students have got Fee concession from college: In session 2015-2016: 36 and in session 2014-2015: 22
 - ii. 03 Students have got Financial assistance from government or other agencies.
32. Details on student enrichment programme (special lectures/workshops /seminar) with external experts.
- i. In collaboration with Popular Lecture Series we have been inviting eminent speakers in the field of chemistry, such as Prof. J. M. Khurana, Department of Chemistry, University of Delhi, and J.L. Sharma, Kirori Mal College, University of Delhi.
 - ii. Dr. Steve Barton, Kingston University, London delivered a lecture on “Optimizing Home Chemotherapy through analytical Research” on 10th February 2015. He explained an invention from research laboratory on a mobile application which can scan the functioning of heart by just putting it in front of the person.

Under the STAR College Scheme

- i. The 35 students of the department visited the Aravali Biodiversity Park to understand the ecology and flora of Delhi and its Surrounding on 27th October, 2015.
- ii. Dr. Abhiram Prabhu, RSC member had given lecture to our students in October, 2015.

- iii. A movie screening was held for students on environmental issues in collaboration with Eco-Club of the College, September, 2015.
 - iv. The 25 students went for an education trip to ONGC, Dehradun, Forest Research Institute, Dehradun, September, 2015.
 - v. The STAR College scheme of DBT, a Training programme was undertaken from 14-18 September, 2015. 25 students attended the programme where the students were given hands-on training.
33. Teaching methods adopted to improve student learning: As per the requirement of the topic our faculty teaches through power point, projectors and latest chemistry software along with traditional methods of teaching (group discussion/ lecture and routine test).
34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Our students are involved in “Awareness programme for Environmental issues in NSS” and Awareness programme on Cleanliness Drive in College campus as a contribution to “Swachh Bharat Abhiyan”. Apart from this, departmental educational trips are organized periodically to visit scientific institution/pharmaceutical industries which makes the students learn more about science and its use for social welfare.
35. SWOC analysis of the department and Future plans:

Strengths:

- ❖ We have a highly qualified faculty. ARSD is a “STAR College” and under this scheme the college has received financial support for improving and enhancing critical thinking and experimental work in the technologies needed for biological studies at undergraduate level in life Sciences (a grant of Rs. 47 lakhs for 3 years). Under this scheme we have in-house projects for UG students which offers a platform for students for research at undergraduate level.
- ❖ Nine members of the faculty are involved in interdisciplinary research projects which are funded by different funding agencies (Delhi University/ICMR/UGC/ DBT/ DST). Research findings are published in journals of national/international repute. Our students are doing In-house projects and summer training to enrich their research capability as well as academics.

Weaknesses:

- ❖ Shortage of laboratories

Opportunities:

- ❖ In collaboration with MSME the college is in the process of establishing a technology incubation center. This initiative is the first of its kind in Delhi University and it aims at enhancing skills – both technical and entrepreneurial among the students.

Challenges:

- ❖ Inadequate infrastructure.
- ❖ Insufficient Funds.
- ❖ Inadequate involvement of industry in our Department

Future plans:

- ❖ To get more projects to involve a large no of UG students.
- ❖ To increase social awareness programmes to sensitize our students.
- ❖ To create more opportunities for campus placements.

DEPARTMENT OF COMMERCE

1. Name of the Department: **Commerce**
2. Year of establishment: 1964
3. Names of the Programmes/Courses offered :
 - ❖ Undergraduate
 - ❖ Postgraduate

4. Name of the Interdisciplinary courses and the departments/units involved :

Courses offered	Name of the department /Units
(i) CBCS Mode	
(a) Generic Elective Semester I - Insurance and Risk Management Semester II – Macro Economics/ Investing in Stock markets	B.A.(Hons)-History, English, Hindi, Economics, Political Science

5. Annual/ semester/choice based credit system (programme wise):

Name of the Course	Programme
B.Com (Hons) & B.Com (Course) Ist Year	Choice Based Credit System
B.Com (Hons) & B.Com (Course) IInd Year	Semester
B.Com (Hons) IIIrd Year	Semester

6. Participation of the department in the courses offered by other departments :

Interdisciplinary Course/Programme	Name of the Department Involved
(i) Under CBCS Mode	
(a) Semester I: Ability Enhancement Compulsory Courses: English/MIL Communication	English, Hindi, Sanskrit
(b) Semester II: Ability Enhancement Compulsory Courses: Environmental Science	Botany, Zoology & Chemistry
(c) Semester I & II (B. Com. (Hons)- Generic Elective (GE) Courses	Political Science, History, Hindi, English, Sanskrit, Economics

Interdisciplinary Course/Programme	Name of the Department Involved
(c) Semester I B.Com (Course) – English Language	English
(d) Semester II B.Com (Course) – Hindi/Modern Indian language	Hindi, Sanskrit
(ii) Under Semester System	
(a) Semester III B. Com. (Hons) - Macro Economics (b) Semester IV B. Com. (Hons) - Indian Economy: Performance and Policies (c) Semester III B.Com (Course) - Economics Development & Policy in India (d) Semester IV B.Com (Course) - Economic Regulations of Domestic and Foreign Exchange Markets	Economics Economics
(e) Semester III B. Com. (Hons) - Business Mathematics	Mathematics
(f) Semester III B. Com. (Hons) - English/Hindi/MIL/ Pol. Sci./History/Maths.	English, Hindi, Sanskrit, Pol. Science, History, Mathematics
(g) Semester III {B.Com(Course)} - Elective Language	English/Hindi
(h) Semester IV {B.Com(Course)} - Business Communication or Vyapaar Sanchar	English
(i) Semester IV {B.Com(Course)} - MIL – Advanced/Humanities	Hindi, Political Science

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

8. Details of courses/programmes discontinued (if any) with reasons:

- ❖ In the academic Year 2013-14, B.Com (Course) was discontinued under Four Year Undergraduate Programme. This course has since been restored.
- ❖ In the academic year 2014-15, Four Year Undergraduate Programme system was withdrawn by the University of Delhi.

9. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/Asst. Professors/others):

Posts	Sanctioned	Filled
Professors	Not Sanctioned	-
Associate Professor	Not Sanctioned	04
Assistant Professor	21	17

10. Faculty profile:

Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D. / M. Phil students guided for the last 4 years
S.K. Grover	M.Com.	Associate Professor	Finance and Marketing	41 Years	-
V.K. Jain	M.Phil.	Associate Professor	Accounting and Taxation	39 Years	-
V.K. Arora	Ph.D.	Associate Professor	Financial Management, Business Statistics	38 Years	-
Naresh Dhawan	M.Phil.	Associate Professor	Law and Accountancy	37 Years	-
Sandeep	Ph.D.	Assistant Professor	Human Resource Management, Business Management, Finance	10 Years	-
Uma Sanjay Singh	Ph.D.	Assistant Professor	Organization Behaviour, Human Resource Management, Business Statistics	15 Years	-
Anjali Gupta	Ph.D.	Assistant Professor	Finance	14 Years	-
Nidhi Bansal	M.Phil.	Assistant Professor	Finance ,Taxation, Business Data Processing	11 Years	-
Manika Jain	Ph.D.	Assistant Professor	Marketing	11 Years	-
Anamika Kadam	M.Phil.	Assistant Professor	Business Administration	8 Years	-

Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D. / M. Phil students guided for the last 4 years
Kokila Negi	M.Phil.	Assistant Professor	Personnel Management	8 Years	-
Indu Singh	M.Phil.	Assistant Professor	Finance	8 Years	-
Geetanjali Batra	M.Phil.	Assistant Professor	Marketing and Organization Behaviour	8 Years	-
Anu Priya Arora	M.Phil.	Assistant Professor	Marketing	8 Years and 2 Months	-
Baljeet Kaur	M.Phil.	Assistant Professor	Human Resource Management	5 Years and 6 Months	-
Ruchika Kaura	M.Phil.	Assistant Professor	Finance, Sustainability Issues	4 Years and 3 Months	-
Renu Aggarwal	Ph.D.	Assistant Professor	Finance	12 Years	-
Parminder Kaur	M.Phil., MBA	Assistant Professor	Finance and Marketing	6 Years and 1 Month	-
Rehan Alam	M.Com.	Assistant Professor	Accounting and Taxation	1 Year and 3 Months	-
Ramveer	M.Com	Assistant Professor	Human Resource Management	3 Years	-
Hungyo Yurreikan	M.I.B., M.Phil.	Assistant Professor	Marketing	2 Years 5 Months	-

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled by temporary faculty: 41% (approx.)

13. Programme-wise student/ Teacher Ratio: 30:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: No separate sanction

15. Qualifications of teaching faculty with D.Sc. /D.Litt. /Ph.D./M.Phil. /PG: Ph.D. - 6 M.Phil.- 12 M.Com- 3

16. Number of faculty with ongoing projects from

- a) National agency : Nil
- b) International agency : Nil
- c) Institutional agency: 07 (2 as Principal Investigators and 5 as Co-Investigators)

Grants received:

S. No.	Name of Principal Investigator/Co-Investigator	Title of Project	Funding agency	Duration	Total Sanctioned fund
1	Dr. Uma S. Singh, Baljeet Kaur & Anu Priya Arora	Technostress and its Impact on The Indian Youth: An Empirical Investigation	University of Delhi	2015-2016	3.5 lakhs
2	Nidhi Bansal & Dr. Renu Aggarwal	An obstacle Detector Sensing Burger and Vibrator Device using Micro Controller for Blind and Blind-deaf	University of Delhi	2015-2016	3.5 lakhs
3	Kokila Negi	Challenges in Urban Governance in the Peripheral areas of Delhi- Local Self Govt & Socio-Political & Economic Development	University of Delhi	2015-2016	*
4	Geetanjali Batra	Impact of Social Media on Indian Democracy	University of Delhi	2015-2016	*
Total Grants received: Rs. 7.5 lakhs					

*An amount of Rs. 3.5 lakhs each is allocated to Political Science Department and Hindi Department as the Principal Investigators are from these Departments.

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

Name of the faculty	Number of publications in journals (National/ International)	Chapters in books	Books (edited)	Books with ISBN No.
Uma Sanjay Singh	2	1	-	1
Anjali Gupta	1	-	-	-
Manika Jain	1	-	-	-
Anu Priya Arora	8	1	-	-
Baljeet Kaur	8	-	-	-
Ruchika Kaura	12	-	-	-
Renu Aggarwal	2	-	-	-
Parminder Kaur	10	-	-	-
Geetanjali Batra	12	2	-	-
Rehan Alam	4	-	-	-
Ramveer	5	-	-	-
Hungyo Yurreikan	4	-	-	1

- ❖ Numbers of papers published in peer reviewed journals (National/ international) by faculty: 73
- ❖ Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare database – International Social Sciences Directory, EBSCO host, etc.) : 20
- ❖ Chapters in Books : 02
- ❖ Monographs : Nil
- ❖ Books Edited : Nil
- ❖ Books with ISBN No. : 02
- ❖ Citation Index : 13
- ❖ Impact Factor Range: 0.305 - 5.632
- ❖ h-index : 02
- ❖ i10-index : Nil

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 interdepartmental/programme: 5% (approx.)
- (b) Percentage of students placed for projects in organizations outside the institution, i.e., in Research laboratories/Industry/other agencies: Nil

23. Awards/ recognitions received by faculty and students:

(a) Awards Received by Faculty :

❖ Baljeet Kaur: 01

- i. Received the prestigious Teaching Excellence Award from the Honorable Vice Chancellor, University of Delhi in the Academic session 2013-2014 for the foundation course, “Business, Entrepreneurship and Management” under FYUP.

❖ Geetanjali Batra: 02

- i. Awarded Prof. T. S. Grewal Award for best paper presented in National Conference by Shaheed Bhagat Singh College (M), University of Delhi in 2012.
- ii. Received Best Project Award in 2015, for a team project work presented in a Faculty Development Programme, organised by Department of Financial Studies, University of Delhi.

(b) Awards/Recognitions Received by Students :

- i. Angad Agnihotri, was awarded the Prof. A. B. Ghosh Prize at the 90th annual Convocation held on 19th March, 2013 for obtaining the highest percentage of marks in B.Com course of University of Delhi.
- ii. Every year the college recognizes the students securing Ist and IInd position in all the three years in different courses/programmes with cash prizes and an appreciation certificate. Sultan Chand Memorial Scholarship Prize is also awarded to best student of the B. Com. (Hons). The list of such students is given below:

Year	Name	Course	Position
2012-13	Mehak Gupta	B. Com. (Hons) Ist Year	1 st
	Chetna		2 nd
	Jatin Talwar	B. Com. (Hons) IInd Year	1 st
	Nitin Arora		2 nd
	Upasana Dhanda	B. Com. (Hons) IIIrd Year	1 st
	Neetika		2 nd

Year	Name	Course	Position
	Praveen Chaudhary	B. Com. (Course) Ist Year	1 st
	Neha		2 nd
	Shivani Mathur	B. Com. (course) IInd Year	1 st
	Ashwani Bhatt		2 nd
	Amit Kumar	B.Com. (course) IIIrd Year	1 st
	Shreya Jain		2 nd
	Simran Kaur	M.Com. (Previous)	1 st
	Divya Aggarwal		2 nd
	Hemant	M.Com. (Final)	1 st
	Shivani Dutta		2 nd
2013-14	Akesh Grover	B. Com. (Hons) Ist Year	1 st
	Kirti Sejwal		2 nd
	Daksh Jaiswal	B. Com. (Hons) IInd Year	1 st
	Chetna		2 nd
	Mayank Chaudhary	B. Com. (Hons) IIIrd Year	1 st
	Lalita Ojha		2 nd
	Aman Lamba	B.Com(course) IInd Year	1 st
	Ali Farhan		2 nd
	Alisha Bral	B.Com(course) IIIrd Year	1 st
	Shivani Mathur		2 nd
	Rachita Joshi	M.Com (Previous)	1 st
	Shuchi Sharma		2 nd
	Simran Kaur	M.Com (Final)	1 st
	Aditi Jain		2 nd

Sultan Chand Memorial Prize

S.No..	Name of the Student	Course	Academic Year
1	Upasana Dhanda	B.Com. (Hons) IIIrd year	2012-13
2	Akesh Grover	B.Com. (Hons) Ist year	2013-14

24. List of eminent academicians and scientists/ visitors to the department:

- ❖ Nesar Ahmed, Former President, Institute of Company secretaries of India (2015).
- ❖ Prof. K.V. Bhanumurthy, Professor, Delhi School of Economics, Department of Commerce, University of Delhi (2012).

- ❖ Prof. J.P. Sharma, Head & Dean, Delhi School of Economics, Department of Commerce, University of Delhi (2015).
- ❖ A.K. Sinha, Chief Commissioner of Income Tax, Delhi (2015).
- ❖ Kapil Mishra, Vice Chairman Delhi Jal Board.
- ❖ Dr. A.K. Singh, Associate Professor, Delhi School of Economics, Department of Commerce, University of Delhi.
- ❖ Prof. Singh Sen Gupta, FMS, University of Delhi.
- ❖ Dr. T.N. Chabra, Department of Commerce, DDU College, University of Delhi.

25. Seminars/conferences/workshop organized and the source of funding (national/international) with details of outstanding participants, if any:

National:

- i. National Seminar on, “Emerging Human Resource Practices for Organizational Excellence”, organised at Atma Ram Sanatan Dharma College, University of Delhi on 24-25th March, 2015. It was funded by University Grants Commission.

International: Nil

26. Student profile programme wise:

Name of the Course	Year/ Batch	Applications Received	Students Admitted	Appeared		Pass Percentage
				M	F	
B.Com (Hons)	2011-12	*	126	33	69	98.04
	2012-13	*	118	44	70	80.70
	2013-14	*	112	57	39	58.33
	2014-15	*	134	54	77	72.52
B.Com(Course)	2011-12	*	141	64	41	64.76
B.Com(Course)	2012-13	*	126	61	41	79.41
	2013-14	*	163	73	66	76.98
	2014-15	*	128	65	44	72.48
M.Com	2011-12	*	18	6	6	75
	2012-13	*	14	4	6	83.33
	2013-14	*	18	10	6	43.75
	2014-15	*	16	4	6	60

* There is a system of centralized admission form. The students apply for various courses (online/offline) to all the colleges of the University. The College decides cut-off after receiving CD of applicants from the University.

27. Diversity of Students:

Name of the Course	Year	% of students from the same state	% of students from other states	% of students from abroad
B.Com (Hons)	2013	64	35	1
	2014	61	35	4
	2015	63	37	0
B.Com(Course)	2013	FYUP	FYUP	FYUP
	2014	54	46	0
	2015	37	61	2

28. How many students have cleared civil services and Defense services examinations, NET, GATE and other competitive examinations? Give details category wise: The College is in the process of formalizing a mechanism to collect the data through alumni network.

29. Students Progression: The College is in the process of formalizing a mechanism to collect the data through alumni network.

Employed	Year Placement Percentage	
	<ul style="list-style-type: none"> •Campus selection •Other than campus recruitment 	2014-15
2015-16		15%
Entrepreneurship/Self-employment	Approximately 10% from last two years.	

30. Details of infrastructural facilities:

- i. **Library:** Common Library for all the courses with separate section devoted to Commerce. It has a collection of 13756 copies of around 3239 titles of commerce related books. It is well equipped with reputed journals and latest technology to facilitate the students.
- ii. **Internet facilities for staff and students:** The College is Wi-Fi enabled. It also consists of five computer labs with separate user IDs issued to students and teachers with which they can have access to the internet facilities in the labs.
- iii. **Classrooms with ICT facility:** The department has been allocated classrooms equipped with projectors for classrooms presentations. Some classrooms with ICT facility are commonly shared by different departments.
- iv. **Students' laboratories:** Fully furnished one computer lab is exclusively available for the commerce students.

31. Number of students receiving financial assistance from college, university, government or other agencies:

Assistance given by the college:

Year	Course	Fee concession	Total
2015-16	B.Com (H)	04	04
	B.Com (P)	01	01
2014 -15	B.Com (H)	09	09
	B.Com (P)	Nil	Nil

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts :

Year	Title/Type of Programme	Names of Resource Person(s) External
2014	Investor Awareness Programme on "Recent Trends in Capital Market" under the aegis of ICSI	CS J.K. Bareja, Faculty Shyam Lal College University Of Delhi
2015	A Lecture on the topic "Highlights of Companies Act, 2013: Challenges and Roads Ahead."	CS Nesar Ahmad, Past president, ICSI & Corporate Secretaries International Association, Geneva, Switzerland.
2015	A Financial Literacy Programme was organized on the topic "Theoretical And Practical Aspects Of Online Stock Trading" by ICICI Direct Centre for Financial Learning.	Mr. Siddhant Dua, Business Development Manager /Resource Person at ICICI Direct Centre for Learning.
2015	A National Seminar on "Emerging Human Resource Practices for Organizational Excellence."	Prof. J.P. Sharma, Head & Dean, DSE, Department of Commerce, DU. Mr. A.K. Sinha, Chief Commissioner of Income Tax, Delhi. Mr. Kapil Mishra, Vice Chairman Delhi Jal Board. Dr. A.K. Singh, Associate Professor, DSE, Department of Commerce, DU. Professor Singh Sen Gupta, FMS, DU. Dr. T.N. Chabra, Department of Commerce, DDU College, DU.

Year	Title/Type of Programme	Names of Resource Person(s) External
2015	Changing Face of Agri-Business: Then and Now	Ms. Riddhi Dayal, Head PR and Media Committee Symbiosis Institute of International Management, Pune
2015	Understanding the Fundamentals of Tally	CA Manish Gupta (Tally Educational partner), Mr. Naveen Kumar (Assistant Trainer), Mr. Jenu Thomas (Tally Solutions Regional Manager)

33. Teaching methods adopted to improve student learning:

- ❖ As per the requirement of the topic different methods like interactive sessions, presentations, group discussion, and debates are adopted by the faculty.
- ❖ Regular assessment is done in the form of assignments and tests.
- ❖ Various projects are done under the mentorship of commerce faculty by students of B. Com. (Hons) III year pertaining to the current topics in the fields of Finance, Marketing & Human Resource Management.

34. Participation in Institutional Social Responsibilities (ISR) and Extension activities:

- ❖ Participation by Department in various activities conducted under the aegis of NSS like blood donation camp and distribution of basic amenities at night shelter, and events organized by other societies such as, the Dramatics Society *Rangayan*, Cultural Society, Debating Society, Women Development Cell (WDC) programmes like **Beti Bachao Beti Padhao Andolan**, self defence training workshops, gender sensitization workshops and yoga camp.
- ❖ Participation in Plantation drives to protect and conserve the environment.
- ❖ Department is part of Swachha Bharat Abhiyaan and participates in campus cleanness drives.

35. SWOC of the Department of Commerce:

Strengths

- ❖ Apart from the regular schedule of classrooms, teachers are always available for the students outside the classrooms for the discussions over doubts and queries.

- ❖ In the classrooms teachers always try to make the learning more productive and fruitful with the use of PPTs, video clips and so on.
- ❖ Teachers also provide counseling to the students for their higher education and career opportunities. Special attention is also given to the students from the weaker and differently abled sections of the society.
- ❖ Our faculty members regularly attend seminars and conferences as they are very keen in upgrading their skills and knowledge.

Weaknesses

- ❖ Lack of student participation in inter-college events

Opportunities

- ❖ Promotion of campus placement along with better scholarly orientation.

Challenges

- ❖ Availability of reading material in both Hindi and English languages in the equal proportion at the time of course revision is challenging.

Future plans

- ❖ Plans for more e-learning sessions.
- ❖ More emphasis on ICT.
- ❖ Creation of E- database of Alumni of the department of commerce.
- ❖ We will involve more students in innovation/in-house projects.

DEPARTMENT OF COMPUTER SCIENCE

1. Name of the Department: **Computer Science**
2. Year of establishment: 1997
3. Name of Programme/Courses offered: Undergraduate
4. Names of Interdisciplinary courses and the departments/units involved:

Courses offered	Name of the department /Units
(i) CBCS Mode	
(a) Core Papers i. Semester I: Problem Solving Using Computer ii. Semester II: Database Management Systems iii. Semester I: Computer Fundamentals iv. Semester II: Database management System	B.Sc.(Programme) Computer Science B.A.(Programme)
(b) Generic Elective i. Semester I – Introduction to Programming ii. Semester II - Introduction to Database System	B.Sc. (Hons) - Physics, Chemistry, Electronics, Mathematics
(ii) Semester System	
i. Semester III: Fundamentals of Programming Languages ii. Semester IV: Data Structure iii. Semester III: System Administration and Maintenance iv. Semester IV: Multimedia Applications	B.Sc.(Physical Science) B.A.(Programme)

5. Annual/Semester/choice based credit system (programme wise):

Course	Programme
B.Sc. (Hons) & B.Sc. (Programme) 1 st Year	Choice Based Credit System (Semester mode)
B.Sc.(Hons) & B.Sc.(Physical Science) 2 nd Year	Old semester mode (2011 onwards)
B. Tech. Computer Science 3 rd Year	Four Year Undergraduate Programme (Temporary course) Semester mode

6. Participation of the department in the courses offered by other departments:

Interdisciplinary Course/Programme	Name of the Department Involved
(i) Under CBCS Mode	
Ability Enhancement Compulsory Courses: Semester I: Environmental Science Semester II: English/ MIL Communication	Botany, Zoology & Chemistry English, Hindi, Sanskrit
(ii) Under Semester System	
(a) Basic Statistics and Probability (b) Differential Equations	Taught by Guest Faculty (from the Statistics & Mathematics department)
(iii) Under FYUP System	
Semester V: Probability Theory and Statistical Computing Mathematical Physics-II Semester VI: Microprocessor Strategic Human resource Management	Mathematics Physics Electronics Commerce

7. Courses in collaboration with other universities, industries, foreign institutions etc.: Nil

8. Details of course/programmes discontinued (if any) with reason:

- ❖ In the academic year 2013, B.Sc.(Hons) Computer Science was discontinued under FYUP. This course has since been restored. B.Tech. Computer Science was introduced in 2013 which is now a temporary course till 2017.
- ❖ In the academic year 2014, FYUP was withdrawn by the university of Delhi

9. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others):

Post	Sanctioned	Filled
Professors	Not Sanctioned	--
Associate Professor	Not Sanctioned	Nil
Assistant Professor	6	6

10. Faculty profile with name, qualification, designation etc.

Name	Qualification	Designation	Specialization	No of years of experience	No. of Ph.D/ M. Phil students guided for the last 4 years
V. S. Dixit	MCA, Ph.D.	Assistant Professor	Web recommender System, web mining, peer-to-peer systems, distributed computing	14	Awarded: 3 Ongoing:4
Shalini Gupta	MCA, M.Phil. (CS)	Assistant Professor	Recommender Systems	9	---
Parul Jain	MCA	Assistant Professor	Recommender Systems	7	---
Dharmendra Singh	MCA	Assistant Professor	Database Technologies	4	---
Uma Ojha	M.Sc. (IT), M.Phil. (CS)	Assistant Professor	Image Processing	6	---
Archana Gahlaut	M. Phil. (CS) M.Tech., MCA	Assistant Professor	Algorithms	7	---
Manuj Aggarwal	M. Tech.	Assistant Professor	Software Engineering	2	---
Richa Kaushal	MCA	Assistant Professor	Programming Languages	0.6	---
Manvendra Yadav	MCA	Assistant Professor	Database Systems	0.8	---

11. List of senior visiting Fellows: Nil

12. Percentage of lectures delivered and practical classes handled (programme-wise) by temporary faculty: 83%

13. Student-Teacher Ratio (programme-wise): B. Sc. (Hons): 22:1

14. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual:

Academic support staff (technical) - Sanctioned: 05; Filled: 01.

Administrative staff: No separate sanction.

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:
 Ph.D.-01 M.Phil.-02 MCA/M.Sc.-06
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-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc; total grants received: Nil
18. Research facility/Centre with: (State recognition, national recognition, international recognition): Nil
19. Publications:
 (a) Publications per faculty:

Name of the faculty	Number of publications in peer reviewed journals		Chapter in Books	Books Edited	Books with ISBN/ISSN
	National	International			
V. S. Dixit	-	22	-	01	07
Shalini Gupta	-	-	-	-	-
Parul Jain	6	-	-	-	-
Uma Sharma	2	2	-	-	-
Dharmendra Singh	5	-	-	-	-
Archana Gahlaut	3	-	-	-	-
Manuj Aggarwal	-	5	-	-	-
Richa Kaushal	-	-	-	-	-
Manvendra Yadav	-	-	-	-	-

- ❖ 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
- ❖ Chapters in Books: Nil
- ❖ Edited Books: 01
- ❖ Books with ISBN/ISSN No: 07
- ❖ Citation Index:
 Citation: 61
 i-10 index: 3
- ❖ Impact factor: Range: (0 - 2.7)
- ❖ h-index: 3

20. Areas of consultancy and income generated: Nil
21. Faculty as member in:
- (a) National committees: Nil
 - (b) International committees:
V.S. Dixit, Member of Technical Programme Committee in ICAST, (2014).
 - (c) Advisory/Editorial Board/Reviewer for Journals: Nil
22. Student projects:
- a) Percentage of students who have done in-house projects including interdepartmental/programme: 2%
 - b) Percentage of students placed for projects in organizations outside the institution, i.e., Research industries/ Industry/ other agencies: 40%
23. Awards/Recognitions received by faculty and students:
- a) Faculty Awards/Recognitions: Nil
 - b) Students Awards/Recognitions:
Every year the college recognizes the students who secure 1st and 2nd position in all the 3 years in different courses/programme with cash prize and appreciation certificate. There are also memorial prizes like Sanjeev Arora Memorial Prize which are given every year to the best students of Computer Science. The list of such students is given below.

Name	Year	Course	Award
Anshika	2013-14	B. Sc (Hons) Computer Science(1 st Year)	Sanjeev Arora memorial prize
Avdhey Tiwari	2012-13	B.Sc. (Hons) Computer Science 2 nd yr	-----do-----
Shivam Sharma	2012-13	B.Sc. (Hons) Computer Science 1 st yr	-----do-----

Name	Year	Course	Prize
Nisha Kumari	2013-14	B.Sc. Physical Science(CS) 3 rd yr	1 st
Sakshi Sejwal		B.Sc. Physical Science(CS) 3 rd yr	2 nd
Sameer Chaudhary		B.Sc. Physical Science(CS) 2 nd yr	1 st
Nikita Tomar		B.Sc. Physical Science(CS) 2 nd yr	2 nd
Preeti Bansal		B.Tech. Computer Science 1 st yr	1 st

Name	Year	Course	Prize
Naveen Yadav		B.Tech. Computer Science 1 st yr	2 nd
Anshika		B.Sc. (Hons) Computer Science 2 nd yr	1 st
Lakshya Sethi		B.Sc. (Hons) Computer Science 2 nd yr	2 nd
Manish Bhatt		B.Sc. (Hons) Computer Science 3 rd yr	1 st
Shivanjali Garg		B.Sc. (Hons) Computer Science 3 rd yr	2 nd
Manish Bhatt	2012-13	B.Sc. (Hons) Computer Science 2 nd yr	1 st
Shivanjali Garg		B.Sc. (Hons) Computer Science 2 nd yr	2 nd
Sameer Chaudhary		B.Sc. Physical Science(CS) 1 st yr	1 st
Manish Gupta		B.Sc. Physical Science(CS) 1 st yr	2 nd
Raman Sharma		B.Sc. Physical Science(CS) 2 nd yr	1 st
Nisha Kumari	2012-13	B.Sc. Physical Science(CS) 2 nd yr	2 nd
Manju Sharma		B.Sc. Physical Science(CS) 3 rd yr	1 st
Nitasha Yadav		B.Sc. Physical Science(CS) 3 rd yr	2 nd

24. List of eminent academicians and scientists/visitors to the department:

- ❖ Prof. R. K. Aggarwal, Department of Computer Science, JNU (2011).
- ❖ Dr. Jagmohan Rai, Department of Mathematics, PGDAV College, DU (2014).

25. Seminars/Conferences/Workshops organized & the source of funding:

- ❖ ICT workshops(two) for teachers in the college on behalf of Delhi University (2009-10) funded by DU (Institute of Lifelong Learning)
- ❖ An Expert Lecture on Computer Graphics was given by Suryanshu Rai, Director (Exitium), Germany on March 12, 2015 funded by the college.

26. Student profile programme/course wise:

Batch	Year	Applications Received*	Students Appeared	Appeared		Pass Percentage
				Male	Female	
B.Sc. (Physical Science) Computer Science	2011-12	*		-	-	-
	2012-13	*		19	11	60.00
	2013-14	*		43	21	48.44

Batch	Year	Applications Received*	Students Appeared	Appeared		Pass Percentage
				Male	Female	
	2014-15	*		43	20	38.09
B. Sc. (Hons) Computer Science	2011-12	*		10	17	92.59
	2012-13	*		07	21	96.43
	2013-14	*		26	20	67.39
	2014-15	*		21	19	82.50

* Centralized application form system is followed in university. The students apply for various courses (online/offline) to all the colleges of the University. The College decides cut-off after receiving CD of application forms from the University.

27. Diversity of students:

Name of the course	Year	% of students from the same state	% of students from other states	% of students from abroad
B.Sc. (Hons) Computer Science	2014-15	60	35	5
B.Sc. (Hons) Computer Science	2015-16	42	58	-
B.Tech. Computer Science	2013-14	71	29	-
B.Sc. (Physical Science) Computer Science	2014-15	39	51	-
B.Sc. (Programme) Computer Science	2015-16	52	48	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense services, etc.: The College is in the process of formalizing a mechanism to collect the data.

29. Student progression information: The College is in the process of formalizing a mechanism to collect the data.

30. Details of Infrastructural facilities:

- a) Library- College has a well-equipped library which contains about 1837 books (764 titles) related to Computer Science.
- b) Class rooms with ICT- Some of our classrooms are furnished with LCD projectors.
- c) Computer Laboratories:

(i) Four well equipped UG-Level computer laboratories.

(ii) Infrastructural details

System/Specification	Configuration	Quantity
Acer Server- Intel Xeon 5500 family (Provided by DU)	Intel (R) Xeon (R) CPU, E5620@ 2.40 Ghz x 2 Processors 8 GB RAM (DDR3 2gb x4), 600 GB (300 gb x 3 HDD (10 K) Power Supply-2, Raid card SAS + Riser card, SAS Back plain for HDD. Monitor-Acer 18.5” TFT, Acer keyboard, Acer mouse	02
Acer Veriton M200 (provided by DU)	Processor- AMD Phenom™ IIx4 810 Processor 2.60 Ghz RAM – 2.00 GB System Type – 32 Bit operating system Hard Disk- 250 GB Monitor – Acer 18.5” TFT , Acer keyboard, Acer mouse	80
HP Compaq dx2700 Microtower (provided by DU)	Processor-Core 2 Duo E660, 80 Gb HDD, 512 MB Ram Monitor-HP 15” TFT, HP Keyboard & Mouse	20
Compaq Presario P4 (SR1732 IL)	Processor-Intel P4 3.06 Ghz, 256 MB RAM, 160 GB HDD, Monitor-Compaq 17” CRT, Compaq Keyboard & Mouse	03
Compaq Presario P4 (SR1530 IL)	Processor-Intel P4 3.06 Ghz, 256 MB RAM, 80 GB HDD, Monitor-Compaq 17” CRT, Compaq Keyboard & Mouse	12
Projector	Hitachi Projector (provided by DU)	01
Printer	LaserJet M1136 MFP	01
	HP LaserJet 1022	02
	Samsung Mono Laser Printer ML-2010 (provided by DU)	03
Switch/LIU with Rack	HCL edge Switch (24 TMS-2 GCS)	01
	3-COM baseline Switch-24 port Layer-2 (Provided by DU)	01
	D Link-Managed switch-24 ports (Provided	04

System/Specification	Configuration	Quantity
	by DU)	
	LIU (Provided by DU)	03
Wireless Switch with Rack	Ruckus wireless Zone Director ZD1000 (Provided by DU)	01
	NetAccess-8 ports POE Gigabit Switch (Provided by DU)	01
	D Link Switch -16 ports (Provided by DU)	02
	HCL Switch-24 ports	01
Patch Panel	Digi link 24 ports cat 6	05
Access point (Provided by DU)	Ruckus Indoor AP ZF-7962 with mounting kit (connected with the networks)	11
	Ruckus Outdoor AP 7731 (connected with the networks)	04
Networks	Networking of computer systems (including IO Box)	82+20=102
UPS	2 KVA UPS System (NUMERIC) with 08 Batteries of 12V 18AH SMF (Provided by DU)	02
	10 KVA UPS System (NUMERIC) with 16 Batteries of 12V 18AH SMF (Provided by DU)	03
	APC-500 VA	15
	APC-650 VA	20

31. Number of students receiving financial assistance from college, university, government or other agencies: Nil

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts:

Lectures were given by experts mentioned in Point 25. This was followed by student-experts interaction.

33. Teaching methods adopted to improve student learning:

- ❖ Apart from classical teaching methods use of various teaching aids such as demonstration through real life examples, computer presentations used by faculty to enhance learning.

- ❖ Conducting group discussions on frequent basis and promoting cooperation among students for problem solving skills and to be a good team member.
- ❖ The University of Delhi has provided online resources to teachers and students for learning and research and the emphasis is on the use of Open Source software. The College has a substantial collection of books and periodicals (PC Quest, Digit) on Computer Science.
- ❖ Our campus is Wi-Fi enabled and we plan to create smart classrooms for our students. Through these facilities, we are trying to create a learner-centric environment on campus.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Computer Science Department is actively involved in the programme of cleanliness at department and college level by taking consideration of e-waste issues. Students take part in many activities like NSS, NCC, sports, and dramatics as a part of their social responsibility.

35. SWOC analysis of the department and Future plans

Strength

- ❖ Teachers are highly qualified. They are research oriented and regularly publish papers in journals & conferences.
- ❖ Encourage students to participate in extracurricular activities
- ❖ As a new department the teachers are highly enthusiastic about the future with higher level of commitment for teaching and research. That keeps them engaged with students in lecture and labs.
- ❖ Teacher-student interaction is always encouraged.
- ❖ Use of ICT is encouraged for better teaching and learning.
- ❖ Extra classes are also arranged for weaker students.
- ❖ Inspiring and supportive Alumni

Weakness

- ❖ No departmental library
- ❖ Lack of proper infrastructure is a hindrance
- ❖ Inadequate resources for more academic activities

Opportunity

- ❖ Job-oriented certificate courses to be launched
- ❖ Emphasis on professional training
- ❖ Innovation projects and research related to social activity
- ❖ Patent the device which developed by the Department

Challenges

- ❖ To inculcate research and studies aptitude among students
- ❖ Lack of proper space and sufficient resources

Future plans

- ❖ To set up a departmental library
- ❖ Counseling for M.Sc. Computer Science, M.Sc. IT and MCA entrance examinations
- ❖ To promote interactions with industries and IT companies with students
- ❖ To provide guidance in e-learning for the students in the college for use of e-resources
- ❖ To provide opportunities for summer training for students in collaboration with IT companies and industries
- ❖ To create more opportunities for campus placements

DEPARTMENT OF ECONOMICS

1. Name of the Department: **Economics**
2. Year of Establishment: 1959
3. Names of Programmes/Courses offered: Undergraduate
4. Names of Interdisciplinary courses and the departments/units involved:

Name of the Interdisciplinary Courses	Departments / Units involved
(i) CBCS Mode	
a) Generic Elective: Semester I- Introductory Microeconomics Semester II – Introductory Macroeconomics	B.A. (Hons) History, English, Hindi, Political Science. B.Sc. (Hons) Mathematics, B.Com (Hons)
(ii) Semester System	
Semester III - Economic Development and Policy Semester III- Macroeconomics	B.Com. (Programme) B.Com. (Hons)

5. Annual/ semester/choice based credit system (programme wise):

Courses	Programme
B.A. (Hons) Economics & B.A. (Programme) I st Year	Choice Based Credit System
B.A. (Hons) Economics & B.A. (Programme) II nd Year	Semester
B.A. (Hons) Economics III rd Year	Semester

6. Participation of the department in the courses offered by other departments:

Interdisciplinary Course/Programme	Name of the Department involved
(i) Under CBCS Mode	
(a) Semester I - Ability Enhancement Compulsory Course (AECC) : English/MIL Communication (b) Semester II - Ability Enhancement Compulsory Course (AECC) : Environmental Science	English, Hindi, Sanskrit Botany, Zoology & Chemistry

Interdisciplinary Course/Programme	Name of the Department involved
(c) Semester I and II - Generic Elective (GE) Courses	Mathematics, Political Science, Commerce, History, Hindi, English, Sanskrit
(ii) Under Semester System	
1. Semester III- Interdisciplinary Concurrent Courses (IDC) (a) Environmental Issues in India (b) Mathematical Awareness (c) Reading Gandhi (d) Nationalism and Indian Literature (e) Hindi Language, Literature and Culture 2. Semester IV- Discipline Centred Concurrent Courses (DCC)	History Mathematics Political Science Sanskrit Hindi History, Political Science, Mathematics, English, Hindi

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

8. Details of courses/programmes discontinued (if any) with reasons:

- ❖ In the academic year 2013, B.A. (Programme) and B.Com. (Programme) were discontinued under Four Year Undergraduate Programme. These courses have since been restored.
- ❖ In the academic year 2014, Four Year Undergraduate Programme was withdrawn by the University of Delhi.

9. Number of Teaching Posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors/ others)

Posts	Sanctioned	Filled
Professors	Not Sanctioned	--
Associate Professors	Not Sanctioned	2
Assistant Professors	15	13

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.	No. Of Ph.D./ M.Phil. students guided for the last 4 years
Savitri Sidana	M.Phil.	Associate Professor	Microeconomics	38	--
Manju Pandey	M.Phil.	Associate Professor	Political Economy	37	--
Ranjan Swarankar	M.A.	Assistant Professor	Microeconomics Mathematical Economics	11	--
Richa Suri Rastogi	M.Phil.	Assistant Professor	Macroeconomics	09	--
Jai Prakash	M. Phil., Ph.D., MBA	Assistant Professor	Public Economics, Microeconomics, Macroeconomics	10	--
Shweta Nanda	M.A.	Assistant Professor	Econometrics	05	--
Pragya Atri	M.Phil.	Assistant Professor	Financial Economics	05	--
Ravish	M.Phil.	Assistant Professor	Microeconomics, Macroeconomics	05	--
Saraswati Yadav	M.Phil.	Assistant Professor	Microeconomics, Macroeconomics	03	--
Bal Krishan	M.Phil.	Assistant Professor	Agricultural Economics	03	--
Bibekananda Suna	M.Phil.	Assistant Professor	Development Economics, Macroeconomics	01	--
Manzoor Alam	Ph.D.	Assistant Professor	Macroeconomics, Public Economics	05	--
Ram Gopal Sepat	M.A.	Assistant Professor	Statistics, Microeconomics	03 months	--
Appala Naidu Dhubireddi	Ph.D.	Assistant Professor	Microeconomics, Macroeconomics, Indian Economy	03	--
Rakesh Kumar	M.A.	Assistant Professor	Microeconomics, Econometrics	03	--

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled by temporary faculty: 73%
13. Student–Teacher Ratio (programme wise): 21:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: No separate sanction.
15. Qualifications of teaching faculty with DSc./D.Litt./Ph.D./ M.Phil./PG.
Ph.D.– 03, M.Phil. – 08, PG – 04
16. Number of faculty with ongoing projects from
 - a. National: Nil
 - b. International/funding agencies and grants received: Nil
 - c. Institutional agency: 01 (Co-investigator)

Name of Principal investigator/ co-investigator	Name of the project	Funding Agency	Duration	Total Amount
Bal Krishan	Challenges of Urban Governance in peripheral area of Delhi, local self government and socio-political and economic development.	University of Delhi	2015 - 2016	*

*An amount of Rs. 3.5 lakhs is allocated to Political Science Department as the Principal Investigator is from Political Science Department.

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

Name of the faculty	Number of paper published in Journals National/International	Chapters in books	Books (Edited)	Books with ISBN
Savitri Sidana	---	---	---	---
Manju Pandey	---	---	---	---
Ranjan Swarankar	---	---	---	---

Name of the faculty	Number of paper published in Journals National/International	Chapters in books	Books (Edited)	Books with ISBN
Richa Suri Rastogi	---	---	---	---
Jai Prakash	04	---	---	---
Shweta Nanda	03	---	---	---
Pragya Atri	03	---	---	---
Ravish	---	---	---	---
Saraswati Yadav	04	---	---	---
Bal Krishan	04	---	---	---
Bibekananda Suna	---	---	---	---
Manzoor Alam	05	05	---	---
Ram Gopal Sepat	---	---	---	---
Appala Naidu Dhubireddi	02	01	---	---
Rakesh Kumar	---	---	---	02

- ❖ Number of papers published in peer reviewed Journals (National/International) by faculty and students: 25
- ❖ 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(s) in Books: 06
- ❖ Books Edited: 02
- ❖ Books with ISBN/ISSN numbers with details of publishers: 02
- ❖ Citation Index: Nil
- ❖ Impact factor range: 0.196 – 5.09

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: 0.02% students were involved in in-house projects.
- b) Percentage of students placed for projects in organizations outside the institution, i.e., in Research laboratories/Industry/other agencies: Nil

23. Awards/Recognitions received by faculty and students:

Awards/Recognitions received by students:

- ❖ Every year the College recognizes the students who secure 1st and 2nd position in all the three years in different courses/programmes with cash prizes and an appreciation certificate. The list of such students is given below.

Year	Name of the Student	Position
2012-2013	1. Kritika Sethi (I Year)	First
	2. Apurva Bhatnagar & Pragya Roy (I Year)	Second
	1. Harshika Dalakoti (II Year)	First
	2. Astha Funda (II Year)	Second
	1. Ashwarya Harichandan (III Year)	First
	2. Aarti (III Year)	Second
2013-2014	1. Sumedha Shukla(I Year)	First
	2. Sakshi Verma (I Year)	Second
	1. Shruti Joshi (II Year)	First
	2. Namita Sharma (II Year)	Second
	1. Harshika Dalakoti (III Year)	First

24. List of eminent academicians and scientists/visitors to the department:

- ❖ Dr. Sunil Ashra, Professor, MDI (Gurgaon) (2011)
- ❖ Dr. Surajit Mazumdar, Associate Professor, CESP (JNU) (2012)
- ❖ Dr. Rohit Azad, Assistant Professor, CESP (JNU) (2013)
- ❖ Dr. Jyotarmoy Bhattacharya, Assistant Professor, Ambedkar University (2014)
- ❖ Dr. Pulapre Balakrishnan, Professor, CDS, Thiruvananthapuram (2015)

25. Seminars/Conferences/Workshops organized & the source of funding (National/International): Nil

26. Student profile programme/course wise

Name of the Course/ Programme	Years	Applications Received	Students Admitted	Appeared		Pass Percentage
				Male	Female	
B. A. (Hons)	2011- 2012	*	83	16	29	93
	2012-2013	*	89	19	43	97
	2013-2014	*	96	25	34	68
	2014-2015	*	85	30	41	45

*There is a system of centralised admission form through which students apply for various courses (online/offline) of all the colleges of the University. The College decides cut-offs after receiving CDs of applicants from the University.

27. Diversity of Students:

Name of the Course	Year	% of students from the same state	% of students from other states	% of students from abroad
B. A. (Hons)	2013 – 2014	77	23	Nil
	2014 – 2015	84	16	Nil
	2015 – 2016	61	39	3

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defence services, etc: The College is in the process of formalizing a mechanism to collect the data through alumni network.

29. Student progression: The College is in the process of formalizing a mechanism to collect the data through alumni network.

30. Details of Infrastructural facilities

(a) Library: We have a well-equipped Library common to all departments with 11,677 copies related to economics and number of titles are 4345.

(b) Internet facilities for Staff & Students: The College campus is Wi-Fi enabled and it is available for use to students as well as faculty members.

(c) Class rooms with ICT facility: Classrooms are equipped with projectors for classroom presentations.

(d) Laboratories: Not Applicable

(e) Department room with individual lockers for all faculty members.

31. Number of students receiving financial assistance from college, university, government or other agencies:

Students receiving financial assistance from college:

❖ Year 2014–2015: 01

❖ Year 2015–2016: 0

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts: The department has been organizing talks and interactive discussions for students and encourages them to interact with eminent speakers and enhance their knowledge. The faculty motivates students to organize departmental events where they are persuaded to take maximum responsibility. With the aim of an all-round development, students are also prompted to participate in co-curricular activities. Following talks have been held in the department :

❖ A talk on “Sub-Prime Crisis” by Dr. Sunil Ashra, Professor, MDI (Gurgaon) was organized by the Department. The talk was aimed at making students aware about the pros and cons of increasing globalization and financial integration.

❖ A talk by Dr. Surajit Mazumdar, Associate Professor, CESP (JNU) was held. The topic of talk was “Inclusive Growth, A case study for India.”

❖ Dr. Rohit Azad, Assistant Professor, CESP (JNU) gave a talk on the much debated topic “FDI in Retail.” The purpose of the talk was to equip students with the economic aspects of allowing/disallowing FDI in the country.

❖ A talk by Dr. Jyotarmoy Bhattacharya, Assistant Professor, Ambedkar University, introduced the students to the idea of “Bitcoin.”

❖ Dr. Pulapre Balakrishnan, Professor, CDS, Thiruvananthapuram gave a talk on “Reversing the Reversal.”

33. Teaching methods adopted to improve student learning:

❖ Students are assessed regularly through assignments.

❖ Group discussions are held in class to make students well-versed with current economic affairs.

❖ The department facilitates ICT usage in the classrooms by encouraging class presentations.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- ❖ Students from the department are involved in the activities of LFT, an organization that promotes social change. As part of its “Igniting Young Minds” initiative, students visited various shelter homes and orphanages in Delhi, teaching children as well as counselling them. Students have also been engaged in creating environmental awareness.
- ❖ Students have volunteered for a *Hindustan Times* project titled “You Read, They Learn.” In this project, they visited city slums and explained to children their right to education as well as its importance.
- ❖ Our students have worked in the ARSD Team for the project “Akshar,” an initiative of the “Enactus” society of Shaheed Sukhdev College of Business Studies (University of Delhi). Under this programme, students collected waste paper, recycled them and distributed notebooks to poor children.

35. SWOC analysis of the department and Future plans.

Strengths

- ❖ The department has a very qualified faculty with specializations and research interests in areas such as microeconomics, macroeconomics, econometrics, agricultural economics, public economics, etc.
- ❖ The teachers actively participate in seminars and conferences.
- ❖ The department faculty also has access to a laptop with Wi-Fi facility which is used for various departmental activities.
- ❖ Teachers are friendly with students and sensitive to their needs. Students are encouraged to participate in various extra-curricular activities.

Weakness

- ❖ There is a lack of opportunity for regular interaction with the corporate world.

Opportunities

- ❖ Studying economics gives a unique edge to students in a globalizing world as it trains them to better analyse economic issues at local and global level.
- ❖ Economics opens plethora of career options for students like pursuing research, working at colleges/universities, jobs in KPOs, Indian Economic Services, being economic analysts, consultants for national as well as trans-national corporations and working with banks of national and international repute.

Challenges

- ❖ Need for effective interdisciplinary orientation within teaching-learning in the department is a challenge.
- ❖ To establish a mechanism to develop the interactive session of students with corporate world.

Future Plans

- ❖ To initiate a department alumni network where alumni can interact with current students and give them advice for career options.
- ❖ To conduct workshops for students where they can learn software packages relevant for research.

DEPARTMENT OF ELECTRONICS

1. Name of the Department: **Electronics**
2. Year of establishment: 2009. B.Sc. (Hons) Electronics was initially established in 1991 under the joint Departments of Physics and Electronics.
3. Names of the programmes/course offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): Undergraduate.
4. Name of the Interdisciplinary courses and the departments/units involved:

Name of Interdisciplinary course /Programme	Name of the Department/units involved
Under CBCS mode	
Generic Elective Courses Semester I- Electronic circuit and PCB designing Semester II- Digital System Design	B.Sc. (Hons)- Physics, Chemistry, Computer Science and Mathematics.

5. Annual/semester/choice based credit system (programme-wise):

Course	Programme
B.Sc.(Hons) 1 st year	Choice Based Credit System (Semester mode)
B.Sc.(Hons) 2 nd year	Old semester mode (2011 onwards)
B.Tech 3 rd year	Four year undergraduate Programme (Temporary course) Semester mode

6. Participation of the department in the courses offered by other departments:

Interdisciplinary Course/Programme	Name of the Departments Involved
(i) Under CBCS mode	
(a) Semester I - Ability Enhancement Compulsory Courses: Environmental Studies	Botany, Zoology & Chemistry
(b) Semester II - Ability Enhancement Compulsory Courses: English/Hindi/MIL Communication	English, Hindi, Sanskrit
(c) Semester I and II: Generic Elective (GE) Course	Mathematics, Computer Science, Physics, Chemistry

Interdisciplinary Course/Programme	Name of the Departments Involved
(ii) Under Semester System	
(a) Semester III-Fundamental of programming Languages (b) Semester IV-Data Structure	Computer Science
(c) Semester III- Mathematics-II	Mathematics

7. Courses in collaboration with other universities, industries, foreign institutes etc.: Nil.

8. Details of course/programmes discontinued, (if any) with reasons:

- ❖ In the academic year 2013, B.Sc. (Hons) Electronics was discontinued under FYUP. This course has since been restored in 2014.
- ❖ In the academic year 2014, FYUP was discontinued by University of Delhi B.Tech Electronics introduced under FYUP has now become a temporary course till 2017.

9. Number of Teaching posts:

Posts	Sanctioned	Filled
Professor	Not Sanctioned	--
Associate Professor	Not Sanctioned	04
Assistant Professor	08	04

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

Name of the Faculty	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for last 4 years
Jyotika Jogi	M.Phil., Ph.D.	Associate Professor	Micro-electronics	26 yrs.	4 (1-awarded, 2 nd Submitted)
Anju Rustagi	M.Phil.	Associate Professor	Lithium-Niobate Waveguides	23 yrs.	--
Meena Dadu	Ph.D.	Associate Professor	Solar Cell	19 yrs.	--

Name of the Faculty	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for last 4 years
Saruchi Tandon	M.Phil.	Associate Professor	Lithium-Niobate Waveguides	19 yrs.	--
Puneet Sehgal	M.Sc.	Assistant Professor	--	3 yrs.	--
Ritu Bansal	M.Sc.	Assistant Professor	--	2 yrs.	--
Arun Kumar	M.Sc.	Assistant Professor	--	2 yrs.	--
Nisha Jha	Ph.D.	Assistant Professor	Adaptive Control System	3 yrs.	--

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 50% (approx.)

13. Student/Teacher Ratio (Programme-wise): 17:1.

14. Number of academic support staff (Technical), administrative staff sanctioned, filled and actual:

- ❖ Academic support staff (Technical): Sanctioned- 05; Filled-02.
- ❖ Administrative staff: No separate sanction.

15. Qualifications of teaching faculty with D.Sc./D.Litt. /Ph.D./M.Phil./PG: Ph.D. - 03, M.Phil. - 02 and M.Sc. -03.

16. Number of faculty with on-going projects from (a) national (b) international funding agencies and grants received:

- (a) National: Nil
- (b) International: Nil
- (c) Institutional Agency: 03

Name of Principal Investigator/Co-Investigator	Title of the Project	Name of Funding Agency	Duration	Total Grant (Rs.)
Anju Rustagi (PI) & Dr. Nisha Jha (Co-PI)	“ Automatic Railway Gate Control System With High Speed Alerting and Intruders Sensation System”	University of Delhi	2015-16	5.5 Lakhs (Sept-2015)
Arun Kumar (Co-PI)	“An Obstacle Detector Sensing Buzzer and Vibrator Controlled By Micro-controller for Blind and Deaf-Blind people”	University of Delhi	2015-16	*
Puneet Sehgal (Co-PI)	“Synthesis of transition metal nano-particles functionalized/decorated with grapheme and other organic moiety for removal of impurities/pollutants from air and water	University of Delhi	2015-16	**

* An amount of Rs. 5 lakhs is allocated to Commerce Department as the Principal Investigator is from Commerce Department.

** An amount of Rs. 4.5 lakhs is allocated to Chemistry Department as the Principal Investigator is from Chemistry Department.

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Name of Principal Investigator	Title of the Project	Name of Funding Agency	Grant Sanctioned (Rs.) and Year of Sanctioned	Status of the Project
Dr. Jyotika Jogi (Associate Professor)	“Modeling, Simulation and Study of Noise Performance and Noise Characteristics of Double Gate InP based InAlAs/InGaAs High Electron Mobility Transistors for High Power and Tetra Hz Frequency Applications.”	University Grants Commission (UGC)	12.72 Lakhs (Feb-2010)	Completed successfully (Jan. 2013)

Total Grant received from various funding agencies and grants received:

Name Of Funding Agency	Amount Funded (Rs.)
University Grant Commission (UGC)	12.72 Lakhs

18. Research Centre/facility recognized by the University: Microelectronics Research Lab Recognized by Faculty of Interdisciplinary Sciences, Delhi University

19. Publications:

Name of faculty	No. of Peer Reviewed Publications		Chapter in book	Book edited	Book with ISBN/ISSN
	International	National			
Jyotika Jogi	55	01	--	--	--
Anju Rustagi	--	--	--	--	--
Meena Dadu	03	--	--	--	--
Saruchi Tandon	--	--	--	--	--
Puneet Sehagal	04	--	--	--	--
Ritu Bansal	06	--	--	--	--
Nisha Jha	08	--	--	--	--
Arun Kumar	--	--	--	--	--

- ❖ Number of papers published in peer reviewed journals (national/international) by faculty and students: 77
- ❖ 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.): 77
- ❖ Chapters in Books: Nil
- ❖ Edited Books: Nil
- ❖ Books with ISBN with details of publishers: Nil
- ❖ Citations Index:
Citations: 0-76
i10- index: 0-1
- ❖ Impact Factor Range: 0-5
- ❖ h-index: 0-6

20. Areas of Consultancy and income generated: Nil.

21. Faculty as members in

(a) National committees:

❖ Members in Scientific Societies

Dr. Jyotika Jogi has been a Member, Jury Team, INSPIRE, Department of Science and Technology, Govt. of India in 2011 and 2013.

(b) International Committees: Nil

(c) Advisory/ Editorial Board/Reviewer for Journals:

Dr. Jyotika Jogi

- i. *International Organization of Scientific Research (IOSR)*
- ii. *Microelectronics Journal (MEJ)*.

22. Student Projects

- (a) Percentage of students who have done in-house projects including inter department/programmes: 19% (approx.)
- (b) Percentage of student placed for projects in organizations outside the institution, i.e., in Research laboratories/ Industry/other agencies: Nil

23. Awards / Recognitions received by faculty and students:03

(a) Faculty Awards/ Recognitions

❖ Dr. Jyotika Jogi: 02

- i. She received best paper award by IEEE Xplore, IEEE, TENCON 2014, Bangkok.
- ii. She also received best paper award by UKSIM-AMSS, Cambridge University, UK.

❖ Nisha Jha: 01

She received best paper award by Instrumentation Society of India, Indian Institute of Science (IISC) 2006, Bangalore, India.

(b) Students Awards/Recognitions

Every year the College recognizes the students who secure 1st and 2nd position in all the 3 years in different courses/programmes with cash prize and appreciation certificate. There are also memorial prizes like the Raj Kumari Dhawan Memorial Prize which are given every year to students. The list of such students is given below.

Name	Year	Course	Prize
Reena Sharma	2012-13	B.Sc. (Hons) (1 st year)	1 st
Sanna Gull	2012-13	B.Sc. (Hons) (1 st year)	2 nd
Saket Suman	2012-13	B.Sc. (Hons) (2 nd year)	1 st
Rishu Ranjan	2012-13	B.Sc. (Hons) (2 nd year)	2 nd
Disha Berry	2012-13	B.Sc. (Hons) (3 rd year)	1 st
Rishab Raj Dhar	2013-14	B.Tech. (1 st year)	1 st
Aishwarya Gupta	2013-14	B.Tech. (1 st year)	2 nd
Sanna Gull	2013-14	B.Sc. (Hons) (2 nd year)	1 st
Neha Sharma	2013-14	B.Sc. (Hons) (2 nd year)	2 nd
Prahar Singh	2013-14	B.Sc. (Hons) (3 rd year)	1 st
Nikita Gupta	2013-14	B.Sc. (Hons) (3 rd year)	2 nd

Raj Kumari Dhawan Memorial Prize

Name	Year	Course
Disha Berry	2012-13	B.Sc. (Hons) (3 rd year)
Rishab Raj Dhar	2013-14	B.Tech. (1 st year)

24. List of eminent academicians and scientists/ visitors to the department:

- ❖ Dr. T.K. Saxena, Chief Scientist, National Physical Laboratory, Delhi (2014).
- ❖ Prof. Enakshi Khular Sharma, Department of Electronic Science, South Campus, New Delhi (2015).
- ❖ Dr. Dhananjay Gadre, Associate Professor, NSIT (2015).

25. Seminars/ conferences/ workshop organized and the source of funding:

- (a) National: Nil
- (b) International: Nil

26. Student profile programme/course wise:

Name of the course/ Programme	Year	Applications Received	Admitted	Enrolled		Pass Percentage
				M	F	
B.Sc. (Hons) Electronics	2011-2012	*	30	09	07	93.75
	2012-2013	*	50	14	11	48.00
	2013-2014	*	38	30	07	59.45
	2014-2015	*	45	19	07	65.38

* There is a system of centralized application form. The students apply for various courses (online/offline) to all the colleges of the University. The college decides cut-off after receiving CD of application forms from the University.

27. Diversity of Students:

Name of the course	Year	% of the students from the same state	% of the students from other states	% of students from abroad
B.Sc. (Hons)Electronics	2013-14	39	61	--
	2014-15	27	71	03
	2015-16	42	58	--

28. How many students have cleared national and state competitive examinations as NET, SLET, GATE, Civil services, Defence services, etc.: The College is in the process of formalizing the mechanism for collecting the data through alumni network.

29. Student progression information: The College is in the process of formalizing the mechanism for collecting the data through alumni network.

30. Details of Infrastructural facilities:

- (a) Library: College has a well-equipped library which contains about 2900 books (939 titles) related to Electronics.
- (b) Internet facilities for staff and students: The Electronics Laboratory has ICT Facility.
- (c) Class rooms with ICT facility: Several classrooms have ICT Facility too.
- (d) Laboratories:
 - i. The Department has a well-equipped UG-level electronics laboratory.
 - ii. One research laboratory with highly sophisticated instruments and Internet facilities for research with easy access to scientific web browser and sites such as Sci.-finder/Scopus/Google Scholar etc. Ph.D. students are pursuing their research in these labs.

31. Number of students receiving financial assistance from college, university, government or other agencies:

- ❖ Under Fee concession: B.Sc.(Hons) and B.Tech. Electronics.

Year	No. of Students
2015-16	15
2014-15	05

32. Details on student enrichment programme (special lectures/ workshops/ seminar) with external experts.

- ❖ One day seminar on “Need of Automation in Research and Industry” by Dr. T. K. Saxena, Chief Scientist, National Physical Laboratory, Delhi on 4th March, 2014.
- ❖ One day fabrication workshop on “Fabricating Single and double sided PCB’s” in lab on a shoestring budget on 13th March, 2015 by Dr. Dhananjay Gadre, NSIT, Delhi.

33. Teaching methods adopted to improve student learning:

- ❖ Individual attention is given to students while teaching.
- ❖ Department takes keen interest in organizing group discussion and class presentation. It is very useful and interactive to enhance understanding of the subject and communication skills along with imparting confidence, particularly in weaker students.
- ❖ Simulations are carried out to match the experimental work. It helps the students to understand theoretical and practical aspects of the subject.
- ❖ ‘Chalk and Talk’ method is supplemented by ICT facility to make teaching and learning more interesting and effective.

34. Participation in Institutional Social Responsibilities (ISR) and Extension activities.

- ❖ There is an on-going project on Automatic Railway Gate Control System with High Speed Alerting System which automatically controls the operation of railway gates detecting the arrival and departure of trains. This may be very useful to operate and control the unmanned railway gates automatically in a proper manner to avoid accidents.
- ❖ The department is working on a device to help the visually challenged and people with hearing disabilities by providing artificial guidance.
- ❖ The department designed a Women Safety Device which provides instant protection against eve-teasers, sexual offenders and even domestic violence. This device was highly appreciated in Antardhwani-2015.

- ❖ Students developed a very useful low cost portable DC mobile charger while working on Innovation project (2013-14). It was highly appreciated in Antardhwani 2014.
- ❖ Teacher and students actively participate in various activities under the aegis of Dramatic Society, Cultural Society, Antardhwani, Swachha Bharat Abhiyan, etc., in the College.

Career counselling:

- ❖ Teachers play a mentoring and counselling role to address students' immediate academic concerns, future career choices and even personal problems. This has enormously contributed in building a strong foundation for students in their future academic, professional and personal life.
- ❖ Highly qualified bi-lingual faculty for students of diverse backgrounds from all across India.

35. SWOC analysis of the Department and Future Plans:

Strengths:

- ❖ Teachers are highly qualified. Most of them are Ph.D. holders. They are research oriented and regularly publish papers in journals & conferences.
- ❖ Encourage students to participate in extracurricular activities.
- ❖ As a new department the teachers are highly enthusiastic about the future with higher level of commitment for teaching and research. That keeps them engaged with students in lecture and laboratories.
- ❖ Teacher-student interaction is always encouraged.
- ❖ Use of ICT is encouraged for better teaching and learning.
- ❖ Extra classes are also arranged for weaker students.
- ❖ Inspiring and supportive alumni.

Weaknesses:

- ❖ An additional laboratory is needed.
- ❖ No separate computer-laboratory.
- ❖ Industrial training not a part of curriculum.

Opportunities:

- ❖ Job-oriented certificate courses to be launched.
- ❖ Emphasis on professional training.
- ❖ Innovation projects and research related to social activity.
- ❖ Patent the device which was developed by the Department.

Challenges

- ❖ To inculcate research aptitude among students.
- ❖ Lack of proper space and sufficient resources.

Future plans

- ❖ To set up a departmental library.
- ❖ Counselling for M.Sc. Electronics, M.Sc. IT and MCA entrance examinations.
- ❖ To promote interactions with industries and IT companies with students.
- ❖ To provide guidance in e-learning for the students in the College for use of e-resources.
- ❖ To provide opportunities for summer training for students in collaboration with IT companies and industries.
- ❖ To create more opportunities for campus placements.

DEPARTMENT OF ENGLISH

1. Name of the Department: **English**
2. Year of Establishment: B.A. (Hons) English-1960, M.A. English -1996
3. Names of Programmes/Courses offered:
 - ❖ Undergraduate
 - ❖ Postgraduate
4. Names of Interdisciplinary courses and the departments/units involved:

Interdisciplinary Courses/Programmes	Departments/Units involved
(i) CBCS mode	
(a) Generic Elective Semester I- Academic Writing & Composition/Contemporary India: Women and Empowerment Semester II- Media and Communication Skills/Readings on Indian Diversities and Literary Movements	B.A. (Hons) History, Political Science, Hindi, Economics, B.Com.(Hons)
(b) Semester I/ II- Ability Enhancement Compulsory Courses (AECC) English Communication	B. A. (Hons), B. A. (Prog.), B. Com. (Hons), B. Com. (Prog.)/ B. Sc. (Hons), B. Sc. (Physical Science)
(c) Semester I-Language Core	B. Com. (Prog.)
(d) Semester II-Language Core	B. Sc. (Physical Science.) /B.A. (Prog.)
(ii) Semester System	
(a) Semester III-Interdisciplinary Course: The Individual & Society	B. Com. (Hons)
(b) Semester III-Elective Language: Cultural Diversity	B. Com. (Prog.)
(c) Semester III-Qualifying English (Higher & Lower)	B.Sc. (Hons) Mathematics
(d) Semester IV-Discipline Centred Concurrent Courses in English Literature (DCC)	B. A. (Hons) History, Political Science, Hindi, Economics, B. Sc. (Hons) Mathematics

Interdisciplinary Courses/Programmes	Departments/Units involved
Semester III-VI (e) Discipline Courses in English	B. A. Programme
(f) Semester III&IV- Foundation Course- Language, Literature and Culture	B. A. Programme

5. Annual/Semester/Choice Based Credit System(programme wise):

Name of Courses	Programme
B. A. (Hons) English –I Yr. B. A. (Prog.)-I Yr.	Choice Based Credit System
B. A. (Hons) English –II Yr. B. A. (Programme) II Yr.	Semester System
B. A. (Hons) English –III Yr.	Semester System

6. Participation of the department in the courses offered by other departments:

Interdisciplinary Courses/Programmes	Names of the Departments Involved
(i) Under CBCS Mode	
(a) Semester I – Ability Enhancement Compulsory Course- MIL Communication	Sanskrit, Hindi
Semester II- Ability Enhancement Compulsory Course- Environmental Science	Botany, Zoology, Chemistry
(b) Semester I & II -Generic Elective (GE) Courses	Commerce, History, Hindi, Sanskrit, Economics, Political Science
(ii) Under Semester System	
2. Semester III- Interdisciplinary Concurrent Courses (IDC)	
(a) Environmental Issues in India	History
(b) Mathematical Awareness	Mathematics
(c) Reading Gandhi	Political Science
(d) Sanskrit Language & Literature	Sanskrit
(e) Hindi Language Literature and Culture	Hindi
3. Semester IV-Discipline Centred Concurrent Courses (DCC)	History, Political Science, Hindi, Economics, Mathematics

7. Courses in collaboration with other universities, industries, foreign institutions etc.: Nil

8. Details of courses/programmes discontinued, (if any) with reasons:

- ❖ In the academic year 2013, B.A. (Programme) course was discontinued under FYUP. This course has since been restored.
- ❖ In the academic year 2014, Four Year Undergraduate Programme was withdrawn by the University of Delhi.

9. Number of teaching posts :

Post	Sanctioned	Filled
Professors	Not Sanctioned	-
Associate Professors	Not Sanctioned	02
Assistant Professors	13	11

10. Faculty Profile with name, qualification, designation, specialization, (D.Sc. / D.Litt. / Ph.D. / M.Phil. /P.G. etc.):

Name	Qualification	Designation	Specialization	No. of Years of Teaching Experience	No. of Ph.D. / M. Phil students guided for the last 4 years.
Manjula Sholapurkar	M.Phil.	Associate Professor	Indian English Poetry, Renaissance, Jacobean, Restoration, Victorian and Contemporary Literature.	29	Nil
Gurvandna R.M. Singh	M.Phil.	Associate Professor	19 th and 20 th Century Novel	30	Nil
Mousumi Ray	M.Phil.	Asst. Professor	Popular Fiction Film and Lit. Renaissance– Intellectual Foundation	11	Nil
Konika Kwatra	M.Phil.	Asst. Professor	Autobiography/Questions of Self and Gender Studies	13	Nil
Shibani Phukan	M.Phil.	Asst. Professor	Indian Writing in English, Translation Studies, Literature from North-East India	13	Nil
Achingliu Kamei	M.Phil., Ph.D.	Asst. Professor	Post-Colonial Lit. and Indian Lit.	9	Nil
Gautam Choubey	M.A.	Asst. Professor	Indian Literature, 19 th Century Novel in India and England, Colonial Modernity, Public Sphere Studies, Gandhi Studies, Jacobian Literature	2	Nil

Name	Qualification	Designation	Specialization	No. of Years of Teaching Experience	No. of Ph.D. / M. Phil students guided for the last 4 years.
Shubha Dwivedi	M.Phil., Ph.D.	Asst. Professor	Indian Literature in English, Women's Writings, Technical Communication and Business Communication	12	Nil
Maitrayee Roychoudhury	M.Phil.	Asst. Professor	19th Century British Literature	4	Nil
Rosy Sinha	Ph.D.	Asst. Professor	Diaspora Literature	9	Nil
Perna Sinha	Ph.D.	Asst. Professor	Indian Writing in English, Modern European drama	11	Nil
Jyothsnaphanija Bolla	M.A., Ph.D.	Asst. Professor	Post-Colonial Literature	Nil	Nil
Priyanka Kulhari	M.Phil. (ELT), Ph.D.	Asst. Professor	Linguistics, Stylistics, Absurd Drama	5	Nil

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 0% (All lectures are delivered by permanent faculty)

13. Student-Teacher Ratio (programme wise):

Class	Ratio
B.A.(Hons) English	21:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: No separate sanction

15. Qualifications of teaching faculty with D.Sc. /D.Litt. /Ph.D./M.Phil./PG:

- ❖ Ph.D.-6
- ❖ M.Phil.-9
- ❖ M.A.-1

16. Number of faculty with on-going projects from a) National b) International funding agencies and grants received:

a). National

Name and Designation of Faculty	Title of the Project	Name of Funding Agency	Grant Sanctioned (Rs.)	Year of Sanction
Mr. Gautam Chaubey	“Translation of Collected Essays of Shrilal Shukla”	University Grant Commission (UGC)	As per Sahitya Akademi Translation rates	2014

b) International-Nil

c) Institutional-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- Details are given below (in the alphabetical order):

S. No.	Names of the Faculty	Articles/ Research Papers in Journals	Chapters in Books	Book-review/ Popular Newspaper Articles	Books Authored	Books Edited
1	Gautam Choubey	5	1		1	-
2	Jyothsnaphanija Bolla	4	2			-
3	Maitrayee Roychoudhury	1	1	3		-
4	Mousumi Ray	1				-
5	Perna Sinha	2	2		1	-
6	Priyanka Kulhari	1				-
7	Rosy Sinha	5			1	-
8	Shibani Phukan	2	1	1		-
9	Shubha Dwivedi	5	4	2		-

Other Significant Contributions by Faculty

Mousumi Ray:

Made the question bank for *Doctor Faustus*, for ILLL, DU.

Shibani Phukan:

Wrote M.A. English course material for Indira Gandhi National Open University for a paper titled "English in India," in 2003-2004.

- ❖ Number of papers published by students and faculty in Journals (National/International): 26
- ❖ Book Reviews and Popular articles: 6
- ❖ 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(s) in Book: 11
- ❖ Book Edited: Nil
- ❖ Books with ISBN/ISSN number with details of publishers: 03
- ❖ Citation Index: 01
- ❖ Impact factor range: 3.189-4.889
- ❖ h-index: 01

20. Areas of Consultancy and income generated- Nil

21. Faculty members in

- a) National Committees - Nil
- b) International Committees - Nil
- c) Editorial Boards-

❖ Jyothsnaphanija Bolla:

Member, Editorial Board-*The Criterion: An International Journal of English*. ISSN: 0976-8165 From July 2013 to present.

Reviewer of *Indian Journal of Comparative Literature and Translation Studies*. ISSN 232-8274. From Sep 2013 to present.

Fiction Editor, *Miracle Magazine* from Nov. 2013 to present.

❖ Dr. Shubha Dwivedi:

Member, Editorial Board-*Creative Writing and Criticism: An International Biannual Journal of English Studies*. ISSN 0975-2390 from 2005 to present.

22. Student projects:

- a) Percentage of students who have done in-house projects including inter departmental/Programme: 1%
- b) Percentage of students placed for projects in organizations outside the institution, i.e., in Research laboratories/Industry/other agencies- Nil

23. Awards/recognitions received by faculty and students:

a. **Awards/Recognitions Received by Faculty:**

❖ Mousumi Ray: (1)

Ambassador of Peace Award - 2005 (International Federation for World Peace)

❖ Shibani Phukan: (1)

Short listed in a National Short-Story Writing Competition organized in 2013 by a portal named Helterskelter for a story titled “Fruity”.

❖ Jyothsnaphanija Bolla: (2)

- i. Satyasri Sahiti Puraskar 2015
- ii. Penna Writers Association’s Ugadi Writers Award 2014

❖ Gautam Choubey: (1)

Acknowledged as the best paper-presenter at the UGC National Conference on “The Indian Vernacular: Languages, Literatures and Histories” held during September 7th-9th 2015, Dept. of English, University of Delhi for the paper entitled “Between the Movements: Hindi Public Sphere in the 1930s.”

- b. **Awards/Recognitions Received by Students:** Every year the college recognizes students who secure 1st and 2nd position in all the 3 years in different courses/ programmes with cash prizes and an appreciation certificate.

Name	Year	Course	Award
Aishwarya V.	2012-13	BA(Hons)English IstYr	1 st Position
Sai Shalini	2012-13	MA (Prev.) English	1 st Position
Sauryadeep Roy	2013-14	MA (Prev.) Englis	1 st Position
Rahul Sen	2013-14	MA (Prev.) English	2 nd Position
Nishtha Singh	2013-14	BA (Hons) English IstYr	1 st Position
NaitiktaYadav	2013-14	BA (Hons) English IstYr	2 nd Position
Shrishti Mishra	2013-14	BA (Hons) English IIndYr	1 st Position
Aishwarya V.	2013-14	BA (Hons) English IIndYr	2 nd Position

Name	Year	Course	Award
Neha Goel	2013-14	B.A. (Hons) English IIIrdYr	1 st Position
Radhika Aggarwal	2013-14	B.A. (Hons) English IIIrdYr	2 nd Position
Sai Shalini	2013-14	M.A. (Final)English	1 st Position
Tiffani Kalai	2013-14	M.A. (Final)English	2 nd Position
Vagisha	2014-15	B.A. (Hons) English IstYr	1 st Position
Sonia	2014-15	B.A. (Hons) English IstYr	2 nd Position
Nishtha Singh	2014-15	B.A. (Hons) English IIndYr	1 st Position
Shrishti Mishra	2014-15	B.A. (Hons) English IIIrdYr	1 st Position
Nabila N	2014-15	B.A. (Hons) English IIIrdYr	2 nd Position
Ronak Batra	2014-15	M.A. (Final)	1 st Position
Soma	2014-15	M.A. (Final)	2 nd Position
Prannay Pathak	2014-15	M.A. (Previous)	1 st Position
Neelkanth	2014-15	M.A. Previous	2 nd Position

Prizes Won by Students in Co-curricular Activities:

- a) Vagisha, English (Hons), II Yr
 1. Third best speaker at an Inter College Debate held at Hindu College (2014-15)
 2. Second best speaker at Inter Departmental Debate, ARSD College (Feb. 2015)
 3. Best Interjector at Inter College Debate at Moti Lal Nehru College (March 2015)
 4. Along with Bhavna of English (H), they won the Best Team Award at the same event.
- b) Prachi Sharma, English (Hons) IIIrd Yr got a special mention at DU MUN held at North Campus, 2014.
- c) Darpan Mago, English (Hons) IIIrd Yr
 1. Won the first prize in the debate competition held on National Youth Day at ARSD College, 13th Jan 2012.
- d) Deepika Sharma, English (Hons) (2011-14)
 1. First Prize in Qawalli Competition, Deen Dayal Upadhyaya College, 2011

2. First Prize in Group Singing Competition, Acharya Narendra Dev College, 2011
3. Second Prize in Group Qawalli, Bhaskaracharya College, 2012
4. Second Prize in Duet Singing, ARSD Annual Fest, 2011
5. First Prize in Duet Singing, ARSD Annual Fest, 2014
- e) Rushali Rai, English (Hons) IInd Yr - *One of the finalists in the Femina Miss India Beauty Contest, 2015.*

24. List of eminent academicians and scientists/visitors to the department:

- i. Prof. Alok Rai, Dept. of English, DU
- ii. Dr. Vijaya Venkataraman, Dept. of Germanic and Romance Studies, Delhi University
- iii. Dr. Anand Prakash, Dept. of English, Hansraj College, DU
- iv. Dr. Uma Chakravarti, an Independent Historian and Writer on Gender & Caste
- v. Sanjay Kak, Noted Filmmaker
- vi. Debraj Mookerjee, Dept. of English, Ramjas College, DU College
- vii. Sanjay Kumar, Dept. of English, Hansraj College, DU
- viii. Neelam Katara, a Social Activist

25. Seminars/ Conferences/ Workshop organised & the source of funding National/International: Nil

26. Student profile programme/ course wise

Name of the Course/ Programme	Year	Applications Received	Students Admitted	Appeared		Pass percentage
				Male	Female	
B.A. (Hons) English	2011-12	*	45	9	18	85.19
B.A. (Hons) English	2012-13	*	41	7	25	93.75
B.A. (Hons) English	2013-14	*	48	5	29	79.41
B.A. (Hons) English	2014-15	*	39	7	27	70.59
M.A. English	2014-15	*	15	8	6	92.86
M.A. English	2013-14	*	13	6	4	70.00

* There is a system of centralized application form in Delhi University. The students apply for various courses (online/offline) to all the colleges of the University. The College decides cut-off after receiving CD of application forms from the University.

27. Diversity of Students:

Name of the Course	% of Students		% of Students from Abroad
	From the Same States	from the other States	
English (Hons) 2012-13	82.35	17.65	0
English (Hons) 2013-14	90	10	0
English (Hons) 2014-15	82.50	17.50	0
English (Hons) 2015-16	85.71	14.28	2

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defence Services, etc.?- The college is in the process of formalizing a mechanism to collect the data through alumni network.

29. Student Progression:

UG to PG	40% (2012-2015)
PG to M.Phil.	20% (2012-2015)
PG to Ph.D.	*
Ph.D. to Post-Doctoral	*
Employed *Campus Selection *Other than campus recruitment	*
Entrepreneurship/self-employment	*

* The college is in the process of formalizing a mechanism to collect the data through its alumni network.

30. Details of Infrastructural facilities:

- a. Library: College has well equipped central library which contains about 6125 English Books and 4 Print Journals
- b. Internet facilities for staff and students: Campus wide Wi-Fi, Common Computer Lab
- c. Classrooms with ICT facility: The College has some classrooms with ICT facility which are shared by different departments.
- d. Laboratories: NA. However, a language lab is much desired for enhancing the linguistic competence and proficiency of students.

31. Number of students receiving financial assistance from the college, university, govt. or other agencies.

Students Receiving Financial Assistance from the College-:

(Year 2014-2015)

- ❖ English Honours-2 students
- ❖ B.A. programme-12 Students

Book Aid:

- ❖ English Honours -1
- ❖ B A Programme- 9

Students Receiving Financial Assistance from Govt. or Other Agencies-:

(Year 2014-2015)

- ❖ Scholarship from SC/ST Welfare Association, Delhi Government-1 student English (Hons).

32. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts:

The English Department through its Seminar Committee and English Association provides a space outside the rigors of the classroom to discuss and analyse the various theoretical concepts and literary movements. To this end various activities are organised:

Special lectures:

- i. English Literature in the Eighteenth Century: An Overview, by Suamya Garima Jaipuria, Dept. of English, Kirori Mal College, DU, Oct 2014.
- ii. Literature and the Human Tragedy, by Sachin N, Dept. of English, Dayal Singh College, DU, Feb 2015.
- iii. A talk on Western Classical Music by, Anshuman Singh, Dept. of English, Dayal Singh College, DU, Sep 2014.
- iv. A talk on John Donne by Aruni Mohapatra, Dept. of English, Ramjas College, DU, March 2014.
- v. A talk on Genet by Payal Khanna, Dept. of English, Janaki Devi Mahavidyalaya, DU, -March 2014.
- vi. A talk on Homer by Dr Jitender Gill, Dept. of English, Janaki Devi Mahavidyalaya, DU, Oct 2013.
- vii. A talk on Jonathan Swift and 18th Century England, by Harriet Raghunathan, Dept. of English, Jesus and Mary College, DU, 2006.

Seminars:

- i. “Two Weddings and a Funeral,” a seminar on Indian Classical literature, 13 and 15 October, 2015
- ii. “After Such Knowledge, What Forgiveness”: Revisiting the Modernist Perspective- Feb 2015
- iii. A film seminar on “Representation of Suffering in Cinema” with keynote address by noted filmmaker Sanjay Kak – 2012.
- iv. Seminar on “Literature and Politics: Texts and Contexts” –2006

Workshops:

In January 2015, a Communication Skills Workshop was organized exclusively for female students of B.A., B.Sc. and B.Com. programme courses in collaboration with the Placement Cell of the College. The broad objective of the workshop was to equip students with necessary soft skills, enabling them to communicate effectively in classroom situations and work place contexts.

English Language Proficiency Course: (Aug–Nov 2012)

Group Discussion – a workshop organized by the English Debating Society of the College in collaboration with the TIME School.

English Department Literary Festival ‘Sonnet’: Started in 2013-14, it was a first of its kind. The fest has drama enactment, literary quiz, and literary dumb charade, to add an element of excitement and innovation to traditional classroom teaching. The plays were actually composed by our students taking literary characters from the texts in their syllabus and interpreting them in a modern light. The event held in 2014-15 was an equally successful follow up act. This also provided an opportunity for students to creatively re-interpret their texts through events like 'Verse on Canvas' and 'Literary Costumes.'

Enactments: An adaptation of Samuel Beckett's *Waiting for Godot* written and staged by Prannay Pathak, MA (Prev.) - March 2015.

Nimbus: The English Department faculty members have given a good leadership to the English Debating Society which has now achieved an enviable position in the cultural landscape of the college. Under the able guidance of the teachers from the department, the society now owns a website ‘DEBATERS’ which constantly uploads information about its numerous affairs and a bulletin board, ‘The Chatterbox’, where members of the society regularly engage in debating and expressing their views about issues that touch and affect their lives.

Film Screenings: The Department organizes screenings of award-winning, inspiring and thought-provoking movies on a regular basis. During such film-screening events, discussion groups are formed and students are encouraged to review films and learn various techniques of cinema from the experts of the concerned field. The event coordinators also circulate

readings on film theory, encouraging students to think, discuss and engage with significant issues. Among the many classic films screened were – *Pratidwandi*, *Modern Times*, *Bicycle Thief*, *Black Friday*, *Love & Death*, *Battle of Algiers*, *Waltz with Bashir*, *Midnight in Paris*, *Troy*, *Taste of Cherry*, *Dr. Zhivago*, *Teesri Kasam*, *Izzatnagri Ki Asabhya Betiyan*, *The Hours* and *Psycho*.

33. Teaching methods adopted by the faculty to improve student learning: Teaching methods are directed towards the specific objectives of the different courses taught by the Department. Prominent teaching approaches are listed hereunder:

- ❖ Special readings, enactments, use of audio-visual content, paper presentations to supplement the traditional method of Undergraduate teaching for English Hons. In addition, relevant references to popular culture, architecture, painting, music and sculpture are included to help students appreciate better the distinct literary, generic and aesthetic features of the text.
- ❖ In the inter-disciplinary courses designed for Honours course students (other than English) the teaching method aims to broaden the students' area of interest beyond their core specialization by enhancing the students' appreciation of the distinct formal generic features of the literary text.
- ❖ Courses like Business Communication and AECC enunciate the different aspects of communication by focussing on the four macro skills-LSRW (Listening, Speaking, Reading and Writing). Through both lectures and written assignments students tutored in effective communication skills at the workplace and for requirements of business and industry. Mock-drills, group-discussions, task-based learning exercises and presentations form an integral part of the teaching methodology.
- ❖ BA (Programme) Discipline Course teaching is directed towards harnessing the students' interest in literature and giving them knowledge, understanding and writing skills to make the subject one of the viable choices for postgraduation to them.
- ❖ BA (Programme) Language Courses engage with the fundamentals of language learning, i.e., comprehension as well as written and oral communication. Tutorials and mentoring sessions are utilized for intensive teaching and reinforcement of the student's own self-learning efforts. Lectures are supplemented with varied class room practices like group-activity, language games, guided writing and grammar exercises.
- ❖ Generic Elective Course on Academic Writing emphasises the importance of analytical, evaluative thinking, writing skills, formatting and documentation through extensive readings, discussions and practice exercises in the class.

- ❖ All the courses offered by the Department sensitize students to critically appreciate the engagement between the literary text and the context in a wider sociological perspective. Through interactive sessions, PPTs, YouTube, newspaper reports, articles, features and stories in magazines, group study and projects the objectives of the courses are effectively achieved.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: in the year 2014-2015, ten students from the department volunteered to impart basic literacy to the women and children of the construction workers in the college, under the banner of “Indrani: A Skill Development Programme,” an initiative of ARSD College. These volunteers were successful in creating an atmosphere of learning for the underprivileged inside the college through various educational activities such as

- ❖ Inculcating moral values through story telling sessions
- ❖ Acquainting children with basic rules of hygiene and sanitation
- ❖ Laying the groundwork of primary education by helping the children identify alphabets (both Hindi and English), recite nursery rhymes.
- ❖ Identification of colours and engaging the children in drawing and colouring activities.
- ❖ Engaging the children in group activities and games to instil a sense of bonding and fellow-feeling.

Our students have also been participating in social welfare programmes instituted by the College, viz., sanitation drives within and around the College, plantation drives, Blood Donation Camps, AIDS awareness programmes, etc. Previously, some students from the Department actively volunteered to donate books, winter clothes and other useful things to the residents of Prerna Shelter for Homeless in Safdarjung area in collaboration with the NGO Leaders for Tomorrow, thus making an effort to promote human welfare. Also, some of the students organized night classes for the betterment and education of street children.

35. SWOC analysis of the department and future plans:

Strengths:

- ❖ We prioritize teaching and attempt to give our students a strong foundation for their future academic and professional endeavours.
- ❖ We respond with flexibility to diversity. In our classrooms we try to be sensitive to varying levels of English language competence of the students due to differences in their backgrounds.
- ❖ We are successful at giving our students a wide platform for participation in College life beyond the academic domain of syllabi and classrooms. Students are encouraged to participate and take responsibility in organizing the activities of the English Association,

the English Debating Society, the Magazine Society and the Film Appreciation Society. This provides them opportunities to showcase their creative talent and general awareness and also their skills of leadership and team work.

- ❖ Responsiveness to the needs of the students is the cornerstone of our approach. Teachers make it a point to be available to the students in a mentoring, counselling role—be it for their immediate academic concerns, future career choices or even personal problems.
- ❖ Faculty members are actively engaged in independent research and innovative practices. We participate in institutional, national and international level seminars, workshops and conferences on a regular basis. We are fully involved with the varied aspects of teaching-learning process such as teaching, tutoring, evaluation, setting of question papers and organization of course content. Some of the faculty members have also received special appreciation for their participation in seminars and conferences.
- ❖ We are a young department in terms of the average age profile. This has us advantageously poised for the future. The members of the Department combine experience and commitment with an awareness of the need for continued academic growth.
- ❖ Our Pillars of Strength: The Department is proud of its glorious past and owes it to the distinguished scholars who served on the faculty of the Department. One would like to mention Late Dr. Premnath, Dr. Harindra Srivastava, Dr. Vikram Chopra, Dr. Kamal Bhasin, Dr. Vimal Dhawan, and the literary stalwart Prof. Yudhishtar among those who brought fame and distinction to the Department through their creative and literary endeavours. Some of the teachers from our Department gained eminence on the basis of quality of their teaching whereas others glorified the college through their vast literary outputs. Prof. Yudhishtar was a renowned teacher who subsequently joined the University of Delhi as Professor and Head of the English Department. He did his Ph.D. on D.H. Lawrence under the supervision of Professor Arnold C. Kettle and authored a book titled *Conflict in the Novels of D.H. Lawrence*, first published in 1969.

Weaknesses:

- ❖ We do not always succeed in making the desired positive difference to an average student's academic profile because of a) lack of aptitude on the part of the student, b) very low entry level language competence, c) time constraints in the semester system.

Opportunities:

- ❖ Making a meaningful contribution to the profile of the Department and development of the College through “quality enhancement”.
- ❖ Greater professional rigor without losing the empathy that teaching profession requires from us.

Challenges:

- ❖ Raising the bar for ourselves and the students towards achieving global standards of competence.
- ❖ To engage more actively in human resource development with emphasis on “competent learning and skill development.”

Future Plans:

- ❖ Counselling of students for M.A. entrance examination.
- ❖ Make the Book-Club a regular co-curricular activity of the department.
- ❖ In co-ordination with the Placement Cell of the college, invite professionals from the publishing industry, media and advertising to interact with students. This would expose students to the “world of skilled work force” and help them make more informed career choices.
- ❖ Promote interdisciplinary research, innovative activities and departmental projects.
- ❖ Conduct more workshops for the differently-abled as well as the underprivileged students on Communication Skills, Presentation Ability and Personality Development.
- ❖ Encourage research and participation of faculty in quality enhancement programmes, Summer/Winter schools, Seminars/Conferences and Faculty Development programmes for upgrading their knowledge, skills and competence.
- ❖ Acquisition and adapting of technology and other good practices in Undergraduate and Postgraduate teaching.

DEPARTMENT OF HINDI

1. Name of the Department : **Hindi**
2. Year of establishment: 1959
3. Names of the programmes/courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D. etc.):
 - ❖ Undergraduate
 - ❖ Postgraduate
4. Name of the Interdisciplinary courses and departments/units involved :

Name of Interdisciplinary course	Departments units involved
(i) Choice Based Credit System Mode	
(a) Generic Elective Semester-I Hindi Cinema Aur Uska Adhyayan / Lokpriya Sahitya Semester-II Rachnatmak Lekhan / Patkatha tatha Samvad Lekhan.	B. A. (Hons) Political Science, History, English, Economics, B. Sc. (Hons) Mathematics
(b) Ability Enhancement Compulsory Course (AECC) MIL Communication Hindi Bhasha aur Sampreshan Semester I Semester II	B. A. (Hons) and B. A. (Programme) B. Com. (Hons) and B. Com. (Programme) B. Sc. (Hons) and B. Sc. (Physical Science).
(c) Semester I-MIL Hindi Hindi Bhasha Sahitya- A, B, C (d) Semester-II-MIL Hindi Hindi Bhasha Sahitya- A, B, C	B. A. Programme B. Com. Programme
(e) Core Course I &II Semester-I Hindi Bhasha aur Sahitya ka Itihas Semester-II Hindi Kavita (Madhyakal aur Aadhunik kal)	B. A. Programme

Name of Interdisciplinary course	Departments units involved
(ii) Semester System	
(a) Semester-III- Qualifying Hindi Language	B. Sc. (Hons) Mathematics.
(b) Semester III- Elective Language Hindi Sarjnatmak Lekhan aur Anuvad	B. Com. (Prog.)
(c) Semester III & IV -Foundation course Language, Literature and Culture	B. A. Programme
(d) Semester III & IV – MIL Aadhunik Bhartiya Bhasha-Hindi A, B, C	B. A. Programme
(e) Semester III - Hindi Discipline Sahitya Chintan Semester IV - Hindi Discipline Aadhunik Kavi	B. A. Programme
(f) Semester III-Interdisciplinary Concurrent Course (IDC) Hindi Language, Literature and Culture Semester IV-Discipline Centered Concurrent Course (DCC) Hindi Literature	B.A.(Hons) Political Science, History, English, Economics B.A.(Hons) Political Science, History, English, Economics, B.Sc.(Hons)Mathematics

5. Annual/Semester/Choice Based Credit system (Programme-wise):

Name of the course	Programme
B. A. (Hons) Hindi I Year B. A. (Prog.) I Year	Choice Based Credit System
B. A. (Hons) Hindi II Year B. A. (Prog.) II year	Semester System
B. A. (Hons) III Year	Semester System

6. Participation of the department in the courses offered by other departments:

Interdisciplinary Course/Programme	Names of the Departments Involved
(i) Under CBCS Mode	
(a)Semester-I- Ability Enhancement Compulsory Course (AECC) English/MIL	English, Sanskrit
(b)Semester-II- Ability Enhancement Compulsory Course (AECC) Environmental Science	Botany, Zoology, Chemistry
(c) Semester I &II- Generic Elective (GE) Courses	English, History, Political Science, Sanskrit Economics.
(ii) Under Semester System	
1. Semester III- Interdisciplinary Concurrent Courses: (IDC) a) Nationalism and Indian Literature b) Reading Gandhi c) Environmental issues in India	Sanskrit Political Science History
2. Semester IV- Discipline Centered Concurrent Courses (DCC)	History, Political Science, English , Sanskrit

7. Course in collaboration with other universities, industries, foreign institution, etc.: Nil

8. Details of courses/Programmes discontinued (if any) with reasons:

- ❖ In the academic year 2013-14, courses such as B.A. Prog., and B.Com. Prog. were discontinued under FYUP. These courses have since been restored.
- ❖ In the academic year 2014-15, FYUP was withdrawn by the University of Delhi

9. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others):

Posts	Sanctioned	Filled
Professors	Not Sanctioned	---
Associate Professors	Not Sanctioned	05
Assistant Professors	15	10

10. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D/ M. Phil students guided for the last 4 years
Gyantosh Kumar Jha	M.Phil., Ph.D.	Principal	Hindi Natak	24 Years	-
Rashmi Bahl	M Phil., Ph.D.	Associate Professor.	Tulnatmak Adhyayan and Anuvad	28 Years	-
Asha Pandey	M.Phil, Ph.D.	Associate Professor	Bhasha Vigyan	26 Years	-
Jaspali Chauhan	M.Phil., Ph D.	Associate Professor	Bhasha Vigyan	25 Years	01
Renu Bala	M.Phil., Ph.D.	Associate Professor	Aadhunik Hindi Kavita	20 Years	01
Sanjay Singh Baghel	M.Phil., Ph.D.	Assistant Professor	Media Adhyayan	08 Years	-
Rajesh Chand Adarsh	M.Phil., Ph.D.	Assistant Professor	Bhasha Vigyan	08 Years	-
Ram Ratan Prasad	M.Phil., Ph.D.	Assistant Professor	Katha Sahitya	06 Years	-

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D/ M. Phil students guided for the last 4 years
Arvind Kumar Mishra	M.Phil., Ph.D.	Assistant Professor	Aadhunik aur Madhyakaleen Hindi Kavita	06 Years	-
Anil Kumar	M.Phil., Ph.D.	Assistant Professor	Hindi Aalochana	07 Years	-
Geeta Devi	M.Phil.	Assistant Professor	Katha Sahitya	05 Years	-
Santosh Kumar Dubey	Ph.D.	Assistant Professor	Katha Sahitya	03 Years	-
Vijay Narayan Mani	M.Phil.	Assistant Profesor	Aadhunik Sahitya aur Aalochna	02 Years	-
Rubi Devi	M.Phil., Ph.D.	Assistant Professor	Katha Sahitya	01 Year	-

11. List of senior visiting faculty : Nil

12. Percentage of classes taken by temporary faculty –

❖ 60% approximately

13. Student/ Teacher Ratio (Programme-wise): B.A.(Hons) : 25:1

14. No. of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

❖ No separate sanction.

15. Qualifications of teaching faculty with DSc /D.Litt. /Ph.D./M. Phil/PG:

Ph. D. – 13 / M.Phil. – 13

16. Number of faculty with ongoing projects from (a) National (b) International funding agencies and grants received:

(a) National : Nil

(b) International : Nil

(c) Institutional : 01

S. No.	Name of the Principal Investigator/co-investigator	Title of the Project	Funding Agency	Year of Sanction	Grant Sanctioned
1.	Dr. Sanjay Singh Baghel	“Impact of Social Media on Indian Democracy”	University of Delhi	2015	Rs. 3.5 lakhs

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) List of publications per Faculty:

Name of the Faculty	No of Papers published in national/international Journal	Chapter in Books	Books Authored (with ISBN)	Books Edited	Popular/ Newspaper Articles
Gyantosh Kumar Jha	01	--	--	02	--
Rashmi Bahl	--	--	01	--	--
Asha Pandey	01	01	02	--	--
Renu Bala	02	--	02	--	--
Jaspali Chauhan	--	--	--	--	--
Sanjay Singh Baghel	07	06	06	--	02
Rajesh Chand Adarsh	04	--	--	01	--
Arvind Kumar Mishra	04	--	01	--	08
Anil Singh	08	--	--	--	--
Ram Ratan Prasad	04	--	06	--	--

Name of the Faculty	No of Papers published in national/ international Journal	Chapter in Books	Books Authored (with ISBN)	Books Edited	Popular/ Newspaper Articles
Geeta Devi	03	--	01	--	--
Santosh Kumar Dubey	04	--	02	--	--
Vijay Narayan Mani	06	--	--	--	--
Rubi Devi	04	--	02	--	01

- ❖ Number of papers published in peer reviewed journals (National/International) by faculty and students: (National): 51 (International): Nil
- ❖ Number of publications listed in International Database (For eg.: Web of Science, Scopus, Humanities International Complete, Dare Dare Database- International Social Sciences Directory, EBSCO Host etc.): Nil
- ❖ Monographs: Nil
- ❖ Chapter in Books: 07
- ❖ Books Edited: 03
- ❖ Books with ISBN/ISSN numbers with detail of publishers: 25
- ❖ Citation of index: Nil
- ❖ Impact Factor: NA
- ❖ SRJ 3.1560, Global 0.409, ACME 0.514
- ❖ h-index: Nil

20. Areas of consultancy and income generated: Nil

21. Faculty as members in: (a) National Committees, (b) International Committees- Nil (c) Editorial Boards: 02

- ❖ Dr. Ram Ratan Prasad
 - i. *Vaad Samvad*, Traimasik Patrika (New Delhi)-Pradhan Sampadak
 - ii. *University Hindi Journal* (New Delhi)-Sampadak
 - iii. *Antarrashtriya Saidhantik Samiksha* (New Delhi)-Sahayak Sampadak

- i. Dr. Anil Kumar
- ii. *Panchtatwa Darshan*, Traimasik Paryavarniya Patrika- Sah-Sampadak (2005-2009)
- iii. *Vaad Samvad*, Traimasik Patrika (New Delhi)-Sampadak, from 2013 to present

22. Student projects:

- (a) Percentage of students who have done in-house projects including inter departmental/Programme: 03%
- (b) Percentage of students placed for projects in organizations outside the institution, i.e., in Research laboratories/Industry/other agencies: Nil

23. a) Awards/recognitions received by faculty:

- ❖ Dr. Gyantosh Kumar Jha-01
Ambassador of Peace Award - 2005 (Universal Peace Federation)
- ❖ Dr. Rashmi Bahl -02
 - i. Dr. Lakshmi Narayan Sudhanshu Award- 1991-1992 (Rajbhasha Vibhag, Bihar Govt.)
 - ii. Savita Puraskar 1993-1994 (Bhartiya Sahitya Sangam, New Delhi)

b) Award/recognitions received by students:

- ❖ Every year the college recognizes the students securing 1st and 2nd position in all the 3 years in different courses/programmes with cash prize and an appreciation certificate. There are also memorial prizes like Dr.Manju Dhawan Memorial Prize for the best student of Hindi (Hons) 3rd Year and Naresh Kumari Memorial Prize for the best student of Hindi (Hons) 1st year. The list of such meritorious students is given below:

Name	Course	Year	Prize/Award
Anushruti	B.A. (Hons) Hindi 1 st year	2010-11	1 st
Sapana	B.A. (Hons) 1 st year	2010-11	2 nd
Tarkeshwar	B.A. (Hons) Hindi 2 nd year	2010-11	1 st
Dhaneshwar	B.A. (Hons) Hindi 3 rd year	2010-11	2 nd

Name	Course	Year	Prize/Award
Gudiya	M.A. Previous	2010-11	1 st
Sudha	M.A. Final	2010-11	2 nd
Sangeeta	B.A. (Hons) Hindi 1 st year	2012-13	1 st
Neha	B.A. (Hons) Hindi 1 st year	2012-13	2 nd
Ankit Kanojia	B.A. (Hons) Hindi 2 nd year	2012-13	1 st
Anil	B.A. (Hons) Hindi 2 nd year	2012-13	2 nd
Sapana Sengar	B.A. (Hons) Hindi 3 rd year	2012-13	1 st
Kavita Bisht	B.A. (Hons) Hindi 3 rd year	2012-13	2 nd
Ravi Bala Singh	B.A. (Hons) Hindi 1 st year	2013-14	1 st
Mahanand Sagar	B.A. (Hons) Hindi 1 st year	2013-14	2 nd
Neha	B.A. (Hons) Hindi 2 nd year	2013-14	1 st
Priyanka	B.A. (Hons) Hindi 2 nd year	2013-14	2 nd
Ankit Kanojia	B.A. (Hons) Hindi 3 rd year	2013-14	1 st
Komal	B.A. (Hons) Hindi 3 rd year	2013-14	2 nd

❖ Dr. Manju Dhawan Memorial Prize:

Name	Class	Year
Sapana Sengar	B.A.(Hons) Hindi 3 rd year	2012-13
Ankit Kanojia	B.A.(Hons) Hindi 3 rd year	2014-2015

❖ Naresh Kumari Memorial Prize :

Name	Class	Year
Sangeeta	B.A.(Hons) Hindi 1st year	2012-2013
Ravi Bala Singh	B.A.(Hons) Hindi 1st year	2014-2015

24. List of eminent academicians and scientists/visitors to the Department:

- ❖ Prof. Namvar Singh , Dept. of Social Science, JNU (2015)
- ❖ Prof. Managar Pandey, Dept. of Social Science, JNU (2013)
- ❖ Prof. Girishwar Mishra, Vice- Chancellor, Mahatma Gandhi Hindi Vishwvidyalaya (2013 & 2015)
- ❖ Prof. Harish Trivedi, Dept. of English, DU (2013)
- ❖ Prof. Ramesh Gautam, Dept. of Hindi, DU (2014)
- ❖ Prof. Gopeshwar Singh, Dept. of Hindi, DU (2013 & 2015)

25. Seminars/conferences/workshops organized and the source of funding:

(a) National- (2)

- ❖ March-2012-13, ARSD College, New Delhi -National Seminar on Bhasha Ki Rajneeti Aur Rashtriya Asmita, Convenor- Dr. Gyantosh Kumar Jha, Principal ARSD College (Organized by Department of Hindi, funded by UGC)
- ❖ March-2014-15, ARSD College, New Delhi, National Seminar on Media Ka Bazarikaran Aur Loktantra, Convenor- Dr. Sanjay Singh Baghel, Assistant Professor - (Organized by Department of Hindi, funded by UGC)

(b) International: Nil

26. Student profile (Programme wise) :

Name of The course/programme	Year	Application Received	Students Admitted	Appeared		Pass %
				Male	Female	
B.A. (Hons) Hindi	2011-12	*	44	10	16	53.85
	2012-13	*	47	18	18	70.27
	2013-14	*	52	22	14	91.67
	2014-15	*	46	25	21	62.27
M.A. (Hindi)	2011-12	*	14	06	07	53.85
	2012-13	*	11	01	07	87.50
	2013-14	*	11	07	02	86.89
	2014-15	*	16	10	06	87.50

*There is a system of centralized application form in Delhi University. Students apply for various courses (online/offline) to all the colleges of the University. The College decides cut-off after receiving CD of application forms from the University.

27. Diversity of Students

Name of Course	% of Students from Delhi	% of Students from other states	% of students from abroad
B. A. (Hons)Hindi 2012-2013	92	08	Nil
B. A. (Hons) Hindi 2013-2014	96	04	Nil
B. A. (Hons) Hindi 2014-2015	92	08	Nil
B. A. (Hons) Hindi 2015-2016	95	05	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defence Services, etc.: The College is in the process of formalizing a mechanism for collecting the data.

29. Student Progression: The College is in the process of formalizing a mechanism for collecting the data through alumni network.

30. Details of Infrastructural facilities:

- i. Library: College has well equipped central library which contains sufficient number of (10962-number of titles, 15757-number of copies) books.
- ii. Internet facilities for Staff & Students:
 - ❖ College has provided internet and Wi-Fi facility to all staff and students for the enhancement of their teaching-learning process. Students can download online study material.
 - ❖ The College has well equipped computer labs with internet connectivity which is available for use to student and faculty.
- iii. Class rooms with ICT facility:
 - ❖ Some classrooms are equipped with LCD projectors suited for power point presentations, class teaching and other academic activities.
- iv. Laboratories:
 - ❖ Not Applicable

31. Number of students receiving financial assistance from college, university, government or other agencies:

- ❖ Fee Concession (From college)

Year	Number of students
2014 – 2015	08
2015 – 2016	17

- ❖ Govt. of Delhi(NCR), Merit Scholarship to SC/ST/OBC/ MNS

Course	No. of Students	Year	Total Amount Per Student 5000/-
B.A. Hons 2 nd Year	07	2014 -15	35000/-
B.A. Hons 3 rd Year	10	2014 -15	50000/-

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) involving external experts:

From time to time the department organizes

- ❖ Debate competitions
- ❖ Creative writing competitions
- ❖ Poetry competitions
- ❖ Seminars
- ❖ Student newsletter
- ❖ Quiz

33. List the teaching methods adopted by the faculty for different programmes:

- ❖ Coordinate with students to help them understand the performativity of dramatic compositions through select performances by leading theatre groups.
- ❖ Poetry recitation, poetry writing and creative writing practices
- ❖ Discussions on literary and topical subjects
- ❖ Story-telling, role-plays and enactments
- ❖ Invite students' participation in creating literature
- ❖ Acknowledgement of students' perspective and point of view through students' newsletter *Samanvay*
- ❖ Class presentations by students
- ❖ Assignments and tests to assess the speaking and writing skills of students

34. Participation in Institutional Social Responsibilities (ISR) and Extension activities:

- ❖ Participation in various activities of National Service Scheme, e.g., blood donation camp, winter clothes' donation drive, literacy movement
- ❖ Volunteers, under the guidance of their Programme Officer adopted a night shelter near Sarai Kale Khan, Delhi.
- ❖ Organized Pink Chain Campaign for cancer awareness
- ❖ Participated in plantation drives to protect and conserve the environment
- ❖ Department has been participating enthusiastically in campus cleanliness drives

35. Details of five major strengths, weakness, opportunities and challenges (SWOC) of the department:

Strengths:

- ❖ Active participation of faculty in national and international seminars, conferences and workshops
- ❖ Involvement of students in departmental events
- ❖ Learned and experienced faculty fully committed to maintain academic rigour
- ❖ Congenial work culture, in the department ensuring optimum utilization of skill and expertise, by the faculty members
- ❖ Creative and innovative methods of teaching literature with an aim to engage students with socio-political, cultural realities of the time

- ❖ Awakening student's consciousness to make them more responsible and participative towards the concerns of the society as well as of the nation
- ❖ We have an illustrious and distinguished retired faculty. Dr. Jai Dev Taneja, Dr Sunder Lal Kathuria, Dr. Sureshwar Shashtri, Dr. Tripathi and Dr. P.P. Gautam are some who have received recognition and awards nationally for their contribution to Hindi literature and have several books to their credit.

Weaknesses:

- ❖ Need to give more exposure to students through projects and research activities
- ❖ Need to conduct international-level seminars and conferences

Opportunities:

- ❖ Popularity of Hindi language is growing rapidly and it is, undoubtedly, the preferred language of the market, advertising, communication, film and industry today. We, therefore, need to explore diverse opportunities to avail research grants from media and government agencies to promote research in the relevant fields.
- ❖ Make the Department more research oriented
- ❖ Explore joint projects/programmes with other departments and universities
- ❖ Develop significant programmes/courses in the field of mass communication and journalism
- ❖ Strengthen and utilize connection with our alumni

Challenges:

- ❖ Harmonizing teaching quality with research needs
- ❖ Unavailability of sufficient reading material in Hindi for the students in many of the disciplines is a huge constraint
- ❖ Use of technical aids to improve teaching-learning process is also a big challenge for teachers of Hindi

Future Plans:

- ❖ Encourage faculty to publish research work
- ❖ Organize international seminars and new learning-oriented workshops
- ❖ Promote literary activities and departmental project works
- ❖ Publish a departmental research journal

DEPARTMENT OF HISTORY

1. Name of the Department: **History**
2. Year of Establishment: 1959
3. Name of Programme/Course offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D., etc.): Undergraduate
4. Names of Interdisciplinary Courses and the Departments/Units involved:

Names of Interdisciplinary courses	Departments/units involved
(i) CBCS Mode	
(a) Generic Elective Semester I–Environmental Issues in India. Semester II–Issues in Contemporary World History.	B.A. (Hons)-English, Hindi, Economics, Political Science, B.Com. (Hons)
(ii) Semester System	
Semester III- Interdisciplinary Concurrent Course (IDC)- Environmental Issues in India	B.A. (Hons)-History, English, Political Science, English, Economics, B.Sc. (Hons) Mathematics
(b) Semester IV- Discipline Centred Concurrent Course (DCC)– i. Delhi: Ancient ii. Culture In India (Medieval)/Delhi: Medieval	B.A. (Hons)-English, Economics, Political Science, B.Sc. (Hons) Mathematics

5. Annual/Semester/Choice Based Credit System (programme wise): All courses are available in semester mode only.

Name of the course	Programme
B.A. (Hons) & B.A. (Prog.) 1 st Year	Choice Based Credit System
B.A. (Hons) & B.A. (Prog.) 2 nd Year	Semester
B.A. (Hons) 3 rd Year	Semester

6. Participation of the department in the courses offered by other departments:

9. Number of Teaching Posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors)

Posts	Sanctioned	Filled
Professors	Not Sanctioned	--
Associate Professors	Not Sanctioned	03
Assistant Professors	10	07

10. Faculty profile with name, qualification, designation, specialisation, (D.SC/D.Litt./Ph.D./M.Phil. etc.,)

Name	Qualification	Designation	Specialization	No of years of teaching experience	No. of Ph.D. students guided for last 4 years
V.M. Jha	Ph.D.	Associate Professor	Ancient Indian History	31	--
Brahma Nand	Ph.D.	Associate Professor	Modern Indian History, Economic History	25	--
Renu Bahuguna	M.Phil.	Associate Professor	Medieval Indian History	16	--
Ajitha Kakumanu	M.Phil.	Assistant Professor	Medieval Indian History, Sufism, American History	12	--
Ajeet Kumar	M.Phil	Assistant Professor	Modern Indian History, South Asian Economy and History, Dalit History	11	--
Deepankar	M.Phil.	Assistant Professor	Medieval Indian History	07	--
Priyam Baroah	Ph.D.	Assistant Professor	Ancient Indian History	04	--
Mihir Kumar Jha	M.Phil.	Assistant Professor	Ancient Indian History	07	--

Name	Qualification	Designation	Specialization	No of years of teaching experience	No. of Ph.D. students guided for last 4 years
Syed Mubin Zehra	Ph.D.	Assistant Professor	Medieval Indian History, Gender History, Art History and Media	08	--
Vijjika Pandey Singh	M. A.	Assistant Professor	Modern Indian History	03	--

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil (All lectures are handled by permanent faculty)
13. Student-Teacher Ratio (programme wise): B.A. (Hons): 29:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: No separate sanction.
15. Qualification of teaching faculty with DSc/ D.Litt./ Ph.D/ M.Phil./ PG:
Ph.D.-04/M.Phil.-05/M.A.-01
16. Number of faculty with on-going 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) Publications per faculty:

Name of the faculty	Number of publications in peer reviewed journals (National/ International)	Chapters in books	Books (Edited)	Books with ISBN with details of publishers
V.M. Jha	7	4	--	--
BrahmaNand	2	--	1	4
Renu Bahuguna	2	--	--	--

Name of the faculty	Number of publications in peer reviewed journals (National/International)	Chapters in books	Books (Edited)	Books with ISBN with details of publishers
Ajitha Kakumanu	1	--	--	--
Ajeet Kumar	3	--	--	--
Syed Mubin Zehra	--	1	--	7
Vijjika Pandey Singh	5	--	--	--

- ❖ Number of papers published in Journals(National/International) by Faculty and Student: National/International-20.
- ❖ 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.): 12
- ❖ Monographs: Nil
- ❖ Chapters In Book: 5
- ❖ Book Edited: 1
- ❖ Books with ISBN/ISSN number with details of publishers: 11
- ❖ Citations: 12
- ❖ h-index: 2

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: Approximately 18%
- b) Percentage of students placed for projects in organizations outside the institution, i.e., in research laboratories/industry/other agencies: Nil

23. Awards/recognitions received by faculty and students:

❖ **Awards received by faculty-03**

- i. Dr. Vishwa Mohan Jha: Visiting Fellow at School of Oriental and African Studies, University of London/2005.
- ii. Dr. Brahma Nand: UGC Research Scientist A (1985-89).

iii. Dr Syed Mubin Zehra received Sambhavna Samman for the year 2014 for work for women and society.

Awards/recognitions received by students:

- ❖ Amit Chaudhary B.A. Hons (2005-2008)- University topper
- ❖ Every year the college recognizes those students who secure 1st and 2nd position in all three years of different courses/programmes with cash prizes and an appreciation certificate. The list of such students of the department of past two academic sessions:

Year	Name	Course	Position
2013-14	Ram Roop Tripathi	3 rd Year	I
	Zamal Ruhi	3 rd Year	II
	Shweta Singh	2 nd Year	I
	Aishwarya Negi	2 nd Year	II
	Nameirakpam Santosh Singh	1 st Year	I
	Purushottam Parihar	1 st Year	II
2012-13	Chhaya Bhargava	3 rd Year	I
	Zamal Ruhi	2 nd Year	I
	Ram Roop Tripathi	2 nd Year	II
	Aman	1 st Year	I
	Ashish Dwivedi	1 st Year	II

24. List of eminent academicians and scientists/ visitors to the department:

- ❖ Prof. B.P. Sahu (University of Delhi)/2015
- ❖ Dr. Raziuddin Aquil (University of Delhi)/2015
- ❖ Dr. Najaf Haider (JNU)/2014
- ❖ Prof. Jaya S. Tyagi (University of Delhi)/2014
- ❖ Prof. Amar Farooqui (University of Delhi)/2014
- ❖ Dr. Anirudh Deshpande (University of Delhi)/2013
- ❖ Prof. R.C. Thakran (University of Delhi)/2012
- ❖ Dr. P.K. Shukla (ICHR)/2012
- ❖ Prof. Arvind Sinha (JNU)/2011
- ❖ Prof.Salil Mishra (IGNOU)/2011
- ❖ Dr. P.K. Basant (Jamia Millia University)/2011

- ❖ Prof. Kumkum Roy ((JNU)/2010
- ❖ Prof. Inayat S. Zaidi (Jamia Millia University)/2010
- ❖ Prof. Sunita Zaidi (Jamia Millia University)/2009
- ❖ Dr. V.K. Jain (University of Delhi) /2009
- ❖ Prof. K.M. Shrimali (University of Delhi)/2004

25. Seminars/ conferences/ workshop organized and the source of funding (national/ international): Nil

26. Student profile programme/ course wise:

Name of the course/ programme	Batch	Application received	Students Admitted	Appeared		Pass percentage
				M*	F*	
B.A. (Hons)	2011-2012	*	41	10	09	89.47
	2012-2013	*	58	19	08	81.48
	2013-2014	*	52	20	07	55.56
	2014-2015	*	68	42	22	39.06

*There is a system of centralized admission form. The students apply offline/online for various courses/programmes for all colleges of the University. The College decides cut-off after receiving CD of applications from the University.

*M-Male *F-Female

27. Diversity of Students:

Name of the Course	% of students From the same States	% of students From the other States	% of students From abroad
B.A. (Hons) 2015-16	52.4	47.6	Nil
B.A. (Hons) 2014-15	56.6	43.4	Nil
B.A. (Hons) 2013-14	55.2	44.8	Nil

28. How many students have cleared national and state level competitive examinations such as NET, SLET, GATE, Civil Services, Defence Services, etc:

The college is in the process of formalizing a mechanism to collect the data through alumni network.

29. Student Progression: The college is again in the process of formalizing a mechanism to collect the data through alumni network

30. Details of Infrastructural facilities

- ❖ Library: common library for all courses
- ❖ Internet facilities for staff & students: Campus is Wi-Fi enabled
- ❖ Class rooms with ICT facility: Majority of the classrooms with ICT facility are shared by various departments
- ❖ Laboratories: N/A

31. Number of students receiving financial assistance from college, university, government or other agencies:

- ❖ Fee Concession provided by the College:

B.A. (Hons) History

Year	No. of Students
2014-15	06
2015-16	07

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

- ❖ Prof. B.P.Sahu (University of Delhi) delivered a talk on *Understanding Histories of the region in Early India* on 4th March, 2015.
- ❖ Dr. Raziuddin Aquil (Associate Professor, University of Delhi) delivered a lecture on *Sufism in Medieval India with Reference to the Political and Cultural roles of the Chishti Order* on 30th Jan, 2015.
- ❖ Prof. Jaya S. Tyagi (University of Delhi) spoke on *Retrieving Women's 'Agency' From Early Historical Traditions* on 27th August, 2014.
- ❖ Prof. Amar Farooqui (University of Delhi) spoke on *Significance and Impact of the Revolt of 1857* on 29th March, 2014.
- ❖ Prof. Najaf Haider (Centre for Historical Studies, Jawaharlal Nehru University) delivered a lecture on *The Many Cities Of Delhi in 2014*.

- ❖ Dr. Anirudh Deshpande (Associate Professor, University of Delhi) spoke on *History in India: A Critical Appraisal* on 6th March, 2013.
- ❖ Dr. P.K. Shukla (Former Member Secretary, Indian Council of Historical Research) spoke on *Historical Vision for the Emergence of Indian Nationalism: A survey* on 20th March, 2012.
- ❖ Dr. P.K. Basant (Associate Professor, Jamia Millia Islamia) spoke on *Mahabharata and Historians* in September 2011.
- ❖ Dr. Salil Misra (Associate Professor IGNOU, Delhi) spoke on *Nationalism and Indian National Movement* in 2011.

33. Teaching methods adopted to improve student learning:

- ❖ Bi-lingual inputs as far as possible
- ❖ Presentations and group discussions
- ❖ ICT-aided teaching
- ❖ Screening of documentaries/movies
- ❖ Project-based study tours

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- ❖ Our department actively participates in various activities conducted under the aegis of NSS, NCC, Dramatic Society, Cultural Society, Debating Society, Antardhvani, Gyanodaya Express scheme, Swachhha Bharat Abhiyan Mission, etc.

35. SWOC analysis of the department and future plans:

Strengths:

- ❖ Highly qualified bi-lingual faculty
- ❖ Active departmental society
- ❖ Vibrancy on account of having students and teachers from diverse backgrounds from across the country
- ❖ Special assistance to Hindi medium students
- ❖ Supportive departmental alumni
- ❖ Annual departmental festival *Clio-calling*

Weaknesses:

- ❖ Underutilized ICT usage
- ❖ National/ international seminars not organised yet

Opportunities:

- ❖ Launching job-oriented certificate courses
- ❖ Starting a separate section for Hindi medium Honours students
- ❖ Becoming part of university's PG programme
- ❖ Undertaking project work on a bigger scale

Challenges:

- ❖ Attracting foreign students
- ❖ Aligning knowledge of discipline with fast-changing job market scenario
- ❖ Motivating more students to go for higher studies

Future plan:

- ❖ The department intends to set up a small departmental library, start separate classes for Hindi medium students, become part of University's PG Programme and also launch short-term certificate courses in Heritage Management, Museology, Tourism, Art Appreciation, etc.

DEPARTMENT OF MATHEMATICS

1. Name of the Department : **Mathematics**
2. Year of establishment: 1962
3. Names of the programme/Courses offered: Undergraduate.
4. Name of the Interdisciplinary courses and the departments/units involved:

Names of interdisciplinary course	Departments/units involved
(i) Under CBCS mode	
(a) Mathematics Paper v. Semester I- Calculus and Matrices ii Semester II- Calculus and Geometry iii Semester II- Calculus and Matrices	B.Sc.(Physical Science)-Electronics, Computer Science, Chemistry B.Sc.(Applied Physical Science) Industrial Chemistry
(b) Mathematics as Generic Elective Semester I- Calculus Semester II- Linear Algebra	B.Sc. (Hons)-Physics, Chemistry, Electronics, Computer Science, Economics, Hindi, English, History, Political Science.
(ii) Under Semester System	
(a) Mathematics Paper i. Semester III- Algebra ii. Semester IV- Differential Equation iii. Semester III- Algebra	B.Sc.(Physical Science)-Electronics, Computer Science, Chemistry B.Sc. (Applied Physical Science) Industrial Chemistry
(b) Mathematics Paper Semester III- Mathematics- I st Semester IV- Mathematics- II nd (Analysis and Statistics)	B.Sc. (Hons) Physics
(c) Mathematics Paper Semester III- Mathematics- II nd	B.Sc. (Hons) Electronics
(d) Mathematics Paper Semester III- Mathematics- II nd	B.Sc.(Hons) Chemistry
(e) Mathematics Paper Semester IV- Differential Equation	B.Sc. (Hons) Computer Science
(f) Mathematics Paper Semester III- Business Mathematics	B.Com.(Hons)

Names of interdisciplinary course	Departments/units involved
(g) Mathematics Paper Semester III-Concurrent- Interdisciplinary Course (Mathematical Awareness) Semester IV- Concurrent- Discipline Centered- I (Linear Algebra/Analysis)	B.A. (Hons) Economics
(h) Mathematics Paper Semester III- Integration & Differential Equation Semester IV- Analytic Geometry & Applied Algebra	B.A. (Programme)
FYUP System	
(a) Allied Course Semester V- Probability Theory & Statistical Computing	B.Tech. (Computer Science)

5. Annual/Semester/Choice Based Credit system (programme-wise):

Name of the course	Programme
B.Sc. (Hons) & B.Sc. (Physical Science) 1 st Year	CBCS
B.Sc. (Hons) & B.Sc. (Physical Science) 2 nd	Semester
B.Sc. (Hons) & B.Sc. (Physical Science) 3 rd Year	Semester

6. Participation of the department in the courses offered by other departments:

Interdisciplinary Course/Programme	Name of the Department Involved
(i) Under CBCS mode	
(a) Semester I: Ability Enhancement Compulsory Courses: Environmental Science	Botany, Zoology & Chemistry
(b) Semester II: Ability Enhancement Compulsory Courses: English/MIL Communication	English, Hindi, Sanskrit
Semester I and II: Generic Elective (GE) Course	Physics, Chemistry, Electronics, Computer Science. Economics and Hindi

Interdisciplinary Course/Programme	Name of the Department Involved
(ii) Under Semester System	
(a) Semester III- Concurrent Qualifying Course (English/Hindi/Sanskrit)	English, Hindi and Sanskrit
(b) Semester IV- Concurrent Credit Course 3.1 (Hindi Literature/ Principles of Economics/ Green Chemistry/ Physics-II/ Citizenship in Globalizing World/ Delhi, Ancient, Medieval and Modern/ Cultural diversity, Linguistic Plurality and Literary Traditions in India)	Hindi, Economics, Chemistry, Physics, Political Science, History and English

7. Courses in collaboration with other universities, industries, foreign institutes etc.: Nil

8. Details of programmes discontinued if any with reasons:

❖ For admission of 2013-16 session, B.A. (Programme), B.Com. (Programme) and B.Sc.(Physical Science) was discontinued under FYUP. These courses have since been restored in 2014.

❖ FYUP system was withdrawn by University.

9. Number of teaching posts sanctioned, filled and actual (Professors/ Associate professors/ Asst. Professors/ others)

Posts	Sanctioned	Filled
Professor	Not Sanctioned	-
Associate Professor	Not Sanctioned	06
Assistant Professor	18	11

10. Faculty profile with name, qualification, designation, area of specialization, (D.Sc. /D.Lit. /Ph.D. /M.Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D/ M. Phil students guided for the last 4 years
Shanti Pahwa	M.Phil.	Associate Professor	Differential Calculus in Linear Topological Spaces	34 Years	-
Anand Swaroop Prajapati	M.Phil.	Associate Professor	Fuzzy Algebra	33 Years	-

Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D/ M. Phil students guided for the last 4 years
Monica Suri	Ph.D.	Associate Professor	Space Dynamics	29 Years	-
B.K. Tyagi	Ph.D.	Associate Professor	Topology and Data Basis	21 Years	Ph.D. 01, M.Phil. 04
Pratibha Mehrotra	Ph.D.	Associate Professor	Complex Analysis	20 Years	-
Jyoti Kaushik	M.Phil.	Associate Professor	Functional Analysis	16 Years	-
Shilpi Jain	M.Phil	Assistant Professor	Operator Theory	12 Years	-
Preeti Jain	Ph.D.	Assistant Professor	Celestial Mechanics	5 Years	-
Amit Mittal	Ph.D.	Assistant Professor	Celestial Mechanics	9 Years	-
Agam Dwivedi	M.Sc.	Assistant Professor	Real Analysis	2 Years	-
Kanika Sharma	M.Phil.	Assistant Professor	Complex Analysis	5 Years	-
Raj Kumar Bhagat	M.Sc.	Assistant Professor	Operational Research	5 Years	-
Priyanka Yadav	M.Phil.	Assistant Professor	Mathematical Programming	1 Year	-
Kapil Kumar	M.Phil.	Assistant Professor	Fuzzy Topology	3 Years	-
Anil Kumar Rajak	M.Sc.	Assistant Professor	Complex Analysis	1 Year	-
Ashutosh Meena	M.Sc.	Assistant Professor	Calculus	1 Month	-

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty– Nil

13. Student/ Teacher Ratio (Programme-wise)- B.Sc.(Hons)-23:1

14. No. of academic support staff (technical) and administrative staff sanctioned, filled and actual: Not separately sanctioned

15. Qualifications of teaching faculty with DSc /D.Litt./Ph.D./M.Phil./PG: Ph.D. – 05 M.Phil.- 08 M.Sc.- 04

16. Number of faculty with ongoing projects from a) National b) International, funding agencies and grants received

- a) National agency: Nil
- b) International agency: Nil
- c) Institutional agency: 1 (Co-Investigator-1)

Grants received:

Name & designation of Principal Investigator	Title of Project	Funding Agency	Duration	Total Amount
Kapil Kumar (Co- investigator)	Building a future for water : cost effective alternative plan to YAP & GAP, remedial and recovery	University of Delhi	2015-2016	*

*The amount of 5 lakhs is allocated to Chemistry Department as P.I. is from chemistry department

17. Departmental projects funded by DST-FIST; UGC-s AP/ CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil

18. Research facility/ Centre with: (State recognition, national recognition, international recognition): Nil

19. Publications:

- a) Publication per faculty

Name of the faculty	Number of publications in peer reviewed journals (National/ International)	Chapters in books	Books (Edited)	Books with ISBN with details of publishers
B. K. Tyagi	5	2	-	1
Amit Mittal	4	-	-	1
Preeti Jain	1	1	-	-
Kapil Kumar	-	4	-	-
Agam Dwivedi	-	3	-	-
Kanika Sharma	1	-	-	-
Priyanka Yadav	1	-	-	-
Raj Kumar Bhagat	3	-	-	-

- ❖ Number of papers published in Journals(National/International) by Faculty and Student: National/International– Book Review and Popular articles- 15
- ❖ 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(s) in Book: 10
- ❖ Book Edited: Nil
- ❖ Books with ISBN/ISSN number with details of publishers:02
- ❖ Citation Index:
Citation- 45
i10-index: 0
- ❖ Impact Factor Range: 0.206-2.401
- ❖ h-index : 1

20. Areas of Consultancy and income generated: Nil

21. Faculty as a members in:

National committees/International committees/Editorial Board: Nil

22. Student projects

(a) Percentage of students who have done in-house projects including interdepartmental/programme: 6%

(b) Percentage of students placed for projects in organizations outside the institution i.e. Research industries/Industry/other agencies: Nil

23. Awards/ recognitions received by faculty and students:

a) Awards/Recognitions received by Faculty: Nil

b) Awards Received by Students: Every year the college recognizes the students securing 1st and 2nd position in all the 3 years in different courses/ programmes with cash prize and certificate on college's Annual day.

Name	Year	Course	Prize
Monika	2012- 2013	B.Sc. (Hons) I	I
Chhaya Choudhary	2012- 2013	B.Sc. (Hons) I	II
Aniket Kumar	2012- 2013	B.Sc. (Hons) II	I
Gaurav	2012- 2013	B.Sc. (Hons) II	II

Name	Year	Course	Prize
Vishakha V Kumar	2012- 2013	B.Sc. (Hons) III	I
Bikky Kumar	2012- 2013	B.Sc. (Hons) III	II
Khushboo Chhabra	2013- 2014	B.Sc. (Hons) I	I
Nishant Tayal	2013- 2014	B.Sc. (Hons) I	II
Chhaya Choudhary	2013- 2014	B.Sc. (Hons) II	I
Monika	2013- 2014	B.Sc. (Hons) II	II
Aniket Kumar	2013- 2014	B.Sc. (Hons) III	I
Gaurav	2013- 2014	B.Sc. (Hons) III	II

24. List of eminent academicians and scientists/ visitors to the department:

- ❖ Prof. S. C. Arora, (Formerly) Head, Department of Mathematics (2012)
- ❖ Prof. K. B. Bhatnagar, (Formerly) Department of Mathematics, University of Delhi (2013)
- ❖ Prof. V. Ravichandran, Department of Mathematics, University of Delhi (2014)

25. Seminars/ conferences/ workshop organized and the source of funding (national/ international): Nil

26. Student profile programme/course-wise:

Name of the course / programme	Applications Received*	Admitted	Appeared		Pass Percentage
			Male	Female	
B.Sc. (Hons) 2011- 2012	*	138	26	40	90.91
B.Sc. (Hons) 2012- 2013	*	108	46	31	100.00
B.Sc. (Hons) 2013- 2014	*	94	40	30	58.57
B.Sc. (Hons) 2014- 2015	*	100	58	32	63.36

*There is a system of centralized application form. The students apply for various courses (online/offline) to all the colleges of the University. The College decides cut-off after receiving CD of application forms from the University.

Name of the course	Batch (Year)	% of the students from the same state	% of the students from other states	% of students from abroad
B.Sc. (Hons) Mathematics	2015-2016	64.18	35.82	-----
	2014-2015	63.72	36.28	-----
	2013-2014	81.44	18.56	-----
	2012-2013	67.78	32.22	-----
	2011-2012	66.18	33.82	-----

27. Diversity of Students

28. How many students have cleared civil services and Defense services examinations, NET, GATE and other competitive examinations? Give details category wise: The College is in the process of formalizing the mechanism for collecting the data through alumni network.

29. Students Progression: The College is in the process of formalizing the mechanism for collecting the data through alumni network.

30. Details of infrastructural facilities

- a) Library: College has well equipped central library which contains about 2916 books related to Mathematics, which are available to other departments also.
- b) Internet Facilities for staff and students: Campus is Wi-Fi enabled.
- c) Class rooms/ Laboratories with ICT facility: Most of the class rooms have ICT Facility which is shared by different departments.
- d) Laboratories- Shared Computer Labs
- e) Departmental rooms- 01 with lockers for all teaching faculty.

31. Number of graduate students getting financial assistance from the university:

Students receiving financial assistance:

- ❖ Year 2015- 2016: 12
- ❖ Year 2014- 2015: 17

32. Details on student enrichment Programmes (special lectures /workshops/seminar) with external experts :

- ❖ Lectures were given by experts mentioned in Point 24. This was followed by student-experts interaction.

- ❖ Organized a workshop on “Hands-on Scientific Software Training Programme” during 14-18 Sep. 2015.

33. Teaching methods adopted to improve student learning

- ❖ Although Chalk and Talk method is still adopted, for a more effective delivery, illustrations, images, and charts are liberally used.
- ❖ It may also be pointed out that regular class tests, seminars and assignments are conducted for generating feedback from students and to assess their perceptivity.
- ❖ Use of Advance software like Mathematica and Matlab for practical work.
- ❖ Creating passion for the subject (Mathematics) and inculcating a spirit of enquiry and research.

34. Participation in Institutional Social Responsibilities(ISR) and Extension activities:

Fully understanding its social responsibility, our college ensures active participation of all the departments in ISR and extension activities. Members of the Mathematics faculty along with the students have been actively engaged in social awareness campaigns such as save the girl child, educate the girl child and other campaigns highlighting the indispensability of the girl child for a healthy society.

35. SWOC analysis of the department and Future plans

Strengths:

- ❖ Highly qualified and committed teachers.
- ❖ Emphasis on classroom teaching and inculcating research orientation among students.
- ❖ Initiating innovative practices outside the classroom like in-house projects, innovation projects, etc.
- ❖ A very good collection of mathematics books in college library.

Weakness

- ❖ No separate computer-laboratory.
- ❖ Despite growing importance of mathematics in the age of ICT, there is lack of interaction with the corporate world.

Opportunities

- ❖ To enhance the academic environment, department is planning to organize seminars/workshops on a regular basis.
- ❖ Lecture series by eminent scholars is also proposed.

- ❖ Skill enhancement workshops like software training etc. for teachers would also be conducted.
- ❖ The students can make their carrier in the field of research and technology by getting involved in the projects received by the department. This would help the students in their understanding of concepts in mathematics and its wider applications.

Challenges

- ❖ To uplift student's potential and to motivate them towards research and studies.
- ❖ To focus on capability building to fit in the job market.

Future Plan

- ❖ Regularly organize seminars, conferences, workshops and update both the faculty and students with latest Mathematical software.
- ❖ Planing pedagogy keeping in mind the employability of mathematics graduates.

DEPARTMENT OF PHYSICS

1. Name of the Department: **Physics**
2. Year of establishment: 1959
3. Names of Programme/Courses offered: Undergraduate.
4. Name of the Interdisciplinary courses and the departments/units involved:

Courses offered	Name of the department /Units
i. CBCS mode	
(a) Physics Paper vi. Semester I- Mechanics vii. Semester II: Electricity & magnetism	B.Sc.(Physical Science)- Electronics, Computer Science and Chemistry
(b)Physics as Generic Elective iii. Semester I - Electricity & Magnetism iv. Semester II - Thermal physics	B.Sc. (Hons)- Mathematics, Chemistry, Computer Science & Electronics
(c) Physics as Discipline specific elective Semester I: Mathophysics Mechanics	B.Sc.(Applied Physical Science) Industrial Chemistry
v. Semester System	
(a)Semester IV- Physics –II (PHCT-402)	B.Sc. (Hons) Chemistry
(b) Credit Course: i. Semester III: Qualifying Paper : Physics Lab ii. Semester IV- Credit Course III : Physics II and Physics Lab	B.Sc. (Hons) Mathematics
(c) Semester III: Physics –III: Wave and Optics, Electronics –III: Electronic Instrumentation Semester IV: Physics-IV : Electricity, Magnetism and Electromagnetic Theory Electronics-IV: Digital Electronics Physics –II: Wave and Optics.	B.Sc.(Physical Science)- Electronics, Computer Science and Chemistry B.Sc.(Physical science) Electronics B.Sc.(Physical Science)- Electronics, Computer Science and Chemistry B.Sc.(Physical science) Electronics B. Sc. (Applied Physical Science) Industrial Chemistry

Courses offered	Name of the department /Units
iii. FYUP System	
(d) Allied Course Semester V-B.Tech.(Computer Science): Mathematical Physics-II	B.Tech. (Computer Science)

5. Annual/ semester/choice based credit system (programme wise):

Name of the course	Programme
B.Sc. (Hons) & B.Sc. (Physical Science) 1 st Year	CBCS
B.Sc. (Hons) & B.Sc. (Physical Science) 2 nd Year	Semester
B.Sc.(Hons)3 rd Year	Semester

6. Participation of the department in the courses offered by other departments:

Interdisciplinary Course/Programme	Name of the Department Involved
(i) Under CBCS Scheme	
(a) Semester I: Ability Enhancement Compulsory Courses: Environmental Science	Botany, Zoology & Chemistry
(b) Semester II : Ability Enhancement Compulsory Courses: English/MIL Communication	English, Hindi, Sanskrit
Semester I and II: Generic Elective (GE) Course	Mathematics, Chemistry, Electronics and Computer Science
(ii) Under Semester System	
(a) Semester III: Mathematics I (PHHT-310) (b) Semester IV: Mathematics-II (PHHT-413)	Mathematics

7. Courses in collaboration with other universities, industries, foreign institutions etc.: Nil

8. Details of programs discontinued, if any, with reasons:

- ❖ In the academic year 2013 B.Sc. (Physical Science) was discontinued under FYUP. This course has been restored since 2014.
- ❖ In the academic year 2014, FYUP system was withdrawn by University.

9. Number of teaching posts sanctioned, filled and actual (Professors/ Associate professors/ Assistant Professors/ others)

Posts	Sanctioned	Filled
Professor	Not Sanctioned	--
Associate Professor	Not Sanctioned	04
Assistant Professor	27	23

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.	No. of Ph.D./ M. Phil students guided for the last 4 years
Pinky Dureja	Ph.D.	Associate Professor	Particle Physics	30	--
Nutan Mishra	Ph.D.	Associate Professor	Solid State Physics	25	--
Geeta Sanon	Ph.D.	Associate Professor	Electronics	23	--
A.B. Bhattacharjee (on deputation to UGC)	Ph.D.	Associate Professor	Quantum Optics and Quantum Gases	22	03
Vinita Tuli	Ph.D.	Assistant Professor	Astrophysics	16	--
Pravata Kr. Behera	M. Phil.	Assistant Professor	Astrophysics	9	--
Bajrang Lal Prashant (on study leave)	M.Sc.	Assistant Professor	Material Science	9	--
Rajveer Singh (on study leave)	M.Sc.	Assistant Professor	Electronics	8	--
Pankaj Narang	Ph.D.	Assistant Professor	Astrophysics	20	--

Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D./ M. Phil students guided for the last 4 years
Ratna Dubey	M.Sc.	Assistant Professor	Electronics	21	--
Manorama Jain	M.Sc.	Assistant Professor	Electronics	18	--
Devendar Kr. Rana	Ph.D.	Assistant Professor	Electronics	8	--
Rakesh Malik	Ph.D.	Assistant Professor	Material Science	5	--
Pooja Singh	M.Sc., M.Tech.	Assistant Professor	Electronics	4	--
Anand Kr. Chakraborty	M.Sc.	Assistant Professor	Electronics	3	--
Swati	M.Sc.	Assistant Professor	Nuclear Physics	3	--
Hawa Singh	M.Sc.	Assistant Professor	Electronics	3	--
Richa Jain	M.Sc.	Assistant Professor	Electronics	9	--
Anju Rani	M.Sc.	Assistant Professor	Material Science	2	--
Manish Kumar	M.Sc., M.Tech.	Assistant Professor	Material Science	3	--
Rita Singh	Ph. D.	Assistant Professor	Material Science	3	--
Lalit Kumar	M.Sc.	Assistant Professor	Material Science	4	--
Gajender Singh	M.Sc., M.Tech.	Assistant Professor	Electronics	2	--

Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D./ M. Phil students guided for the last 4 years
S Shankar Subramanian	M.Sc.	Assistant Professor	Material Science	3	--
Dr. Avanish Pratap Singh	Ph.D.	Assistant Professor	Material Science	2	--
Arvind Kumar	M.Sc.	Assistant Professor	Material Science	1	--
Veeresh Kumar	M.Sc.	Assistant Professor	Material Science	1	--
Sandeep Kumar	Ph.D.	Assistant Professor	Material Science	2	--
Raju Ram Meena	M.Sc.	Assistant Professor	Material Science	1	--

11. List of senior visiting Faculties: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 74%

13. Student -Teacher Ratio (programme wise): 17:1

14. No. of academic support staff (technical) and administrative staff sanctioned, filled and actual:

❖ Academic support staff (technical) - Sanctioned: 22; Filled:13.

❖ Administrative staff: No separate sanction.

15. Qualifications of teaching faculty with DSc /D.Litt. /Ph.D./M.Phil./PG:
Ph.D.- 11 M.Phil.-1 M.Sc.- 17

16. Number of faculty with ongoing projects from

a) National agency : Nil

b) International agency : Nil

c) Institutional agency: 04 (01- Principal Investigator, 03- Co-Investigator)

Grants received:

Name of the Principal /Co-Investigator	Name of the Project	Funding Agency	Duration	Total Amount (Rs.)
Dr. Vinita Tuli, Manish Kumar, S. Shankar	Synthesis and Characterizations of ferromagnetic-BaTiO ₃ nanocomposites for magnetoelectric properties	University of Delhi	2015-2016	5.5 Lakhs
Dr. Rakesh Malik	Synthesis of Nanostructured materials and their interaction with biological systems for nanomedicine and medical nanorobotics.	University of Delhi	2015-2016	*
Anju Rani	Automatic Railway Gate Control System With High Speed Alerting and Intruders Sensation System	University of Delhi	2015-2016	**

*An amount of Rs 5 Lakhs is allocated to the Chemistry Department as the principal investigator is from this department.

** An amount of Rs 5.5 Lakhs is allocated to Electronics Department as the principal investigator is from this department.

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Name & Designation, Principal Investigator	Title of Project	Funding agency	Duration and date	Total Sanctioned fund	Status of the Project
Dr. A B Bhattacharjee	Optomechanical Control of Superfluid Properties of a Bose Einstein condensate coupled to a nanomechanical resonator	Department of Science and Technology, New Delhi	2012 – 2015	18.11 Lakhs	Completed

❖ Total Grant received from various funding agencies and grants Received

Funding Agency	Duration	Total Amount
DST	2012-2015	18.11 Lakhs

18. Research Centre /facility recognized by the University:01(Dr. Aranya B. Bhattacharjee)

19. Publications:

a) Publication per faculty

Name of the faculty	Number of publications in peer reviewed journals		Chapters in books	Books (Edited)	Books with ISBN
	National	International			
Aranya B Bhattacharjee	--	21	06	01	02
Nutan Mishra	03	--	--	--	--
Geeta Sanon	--	04	--	--	01
Pinky Dureja	01	02	--	--	--
Avanish Pratap Singh	--	10	01	--	--
Rajveer Singh	--	03	--	--	--
Bajrang Lal Prashant	--	01	--	--	--
Rakesh Malik	--	07	--	--	--
Vinita Tuli	01	02	--	03	--
Devender Kr. Rana	01	--	--	--	--
Pankaj Narang	06	01	01	--	--
Arvind Kumar	--	05	--	--	--
Manish Kumar	--	6	--	--	---
S Shankar	--	6	--	--	--
Hawa Singh	03	--	--	--	01
Rita Singh	--	01	--	--	--
Richa Jain	--	--	--	--	03
Veeresh Kumar	--	08	--	--	--
Pooja Singh	--	02	--	--	01
Swati	--	--	--	--	01

- ❖ Number of papers published in peer reviewed journals (national/international) by faculty and students: 94
- ❖ 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.):80
- ❖ Monographs: Nil
- ❖ Chapter in Books: 08
- ❖ Books Edited: 04
- ❖ Books with ISBN/ ISSN:09
- ❖ Citations Index:
Citations: 1256
i10-index: 28
- ❖ Impact Factor Range: 0-8
- ❖ h-index : 0-15

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 interdepartmental/programme: 4%
- (b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies:1%

23. Awards / Recognitions received by faculty and students:

a) **Awards/Recognitions received by Faculty** - 06

- ❖ Aranya B Bhattacharjee
 - i. Short term fellowship of DAAD, University of Essen, Germany (2006).
 - ii. Endeavour Research Fellowship for a 6 month, Nonlinear Physics Center, Australian National University (2007)
 - iii. 15 months Guest Scientist position at the Max Planck Institute for Physics of Complex Systems, Dresden, Germany (2007-2008)
 - iv. Short term fellowship of DAAD, Freie University, Berlin, Germany (2011).
 - v. He visited Technical University of Berlin, Germany under DFG grant, (2012).
 - vi. He is selected by University Grants Commission as an Associate Professor under the UGC-Faculty Recharge Programme.

b) Awards/Recognitions received by Students

Every year the college recognizes the students who secure 1st and 2nd position in all the 3 years in different courses/ programmes with cash prizes and an appreciation certificate. There are also certain memorial prizes like Inder Raj Dhawn Memorial Prize and S K Batra Memorial Prize which are given to students every year. The list of such students is given below.

Name	Year	Course	Position
Gautam Gaurav	2012-2013	B.Sc. (H) I	I
Deepak Chandra Bhatt	2012-2013	B.Sc. (Phy. Sci. Elec.) I	I
Amit Kumar	2012-2013	B.Sc. (Phy. Sci. Elec.) I	II
Priyank Parashari	2012-2013	B.Sc. (H) II	I
Shivam Shukla	2012-2013	B.Sc. (H) II	II
Eshwaria	2012-2013	B.Sc. (Phy. Sci. Elec.) II	I
Rahul Sharma	2012-2013	B.Sc. (Phy. Sci. Elec.) III	II
Adarsh Mani Mishra	2012-2013	B.Sc. (H) III	I
Prashant Kumar Prajapati	2012-2013	B.Sc. (H) III	II
Kashina Sehrawat	2012-2013	B.Sc. (Phy. Sci. Elec.) III	I
Rachna Yadav	2013-2014	B.Sc. (H) I	I
Sakshi Bajaj	2013-2014	B.Sc. (H) I	II
Armin Kalita	2013-2014	B.Sc. (H) II	I
Amit Kumar	2013-2014	B.Sc. (H) II	II
Priyank Parashari	2013-2014	B.Sc. (H) III	I
Faraz Khan	2013-2014	B.Sc. (H) III	II
Eshwaria	2013-2014	B.Sc. (APS Elec.) III	I
AshaVerma	2013-2014	B.Sc. (APS Elec.) III	II

❖ S K Batra Memorial Prize

Name	Class	Course & Year
Eshwaria	2012-2013	B.Sc. (Phy. Sci. Ele) II
Eshwaria	2013-2014	B.Sc. (Phy. Sci. Ele) III
Armin Kalita	2013-2014	B.Sc(H) II

❖ Inder Raj Dhawn Memorial Prize

Name	Class	Course & Year
Priyank Parashari	2012-2013	B.Sc. (H) II
Armin Kalita	2013-2014	B.Sc(H) II

24. List of eminent academicians and scientists / visitors to the department:

- ❖ Prof. Ajoy Ghatak, Department of Physics, IIT Delhi (2013)
- ❖ Prof. Patrick Das Gupta, Department of Physics and Astrophysics, University of Delhi (2014)
- ❖ Prof. T. S. Sheshadri, Department of Physics and Astrophysics, University of Delhi (2012)
- ❖ Prof. S. Annapoorni, Department of Physics and Astrophysics, University of Delhi (2011)

25. Seminars/ conferences/ workshop organized and the source of funding (national/ international): Nil

26. Student profile programme/course wise

Name of the course/ programme	Applications Received	Selected/Admitted	Appeared		Pass Percentage
			Male	Female	
B.Sc.(Hons) 2011-2012	*	101	24	19	95.35
B.Sc.(Hons) 2012-2013	*	151	68	20	52.27
B.Sc.(Hons) 2013-2014	*	104	63	28	43.96
B.Sc.(Hons) 2014-2015	*	118	64	19	66.27

*There is a system of centralized application form. The students apply for various courses (online/offline) of all the colleges of the university. The college decides cut-off after receiving CD of application forms from the university.

27. Diversity of Students

Name of the course	Year	% of the students from the same state	% of the students from other states	% of students from abroad
B.Sc. (Hons) Physics	2013-2014	60.5	39.5	----
	2014-2015	49.1	50.9	----
	2015-2016	64.3	35.7	----

28. How many students have cleared civil services and Defence services examinations, NET,GATE and other competitive examinations? Give details category wise: The college is in the process of formalizing a mechanism to collect the data.

29. Students Progression: The college is in the process of formalizing a mechanism to collect the data.

30. Details of infrastructural facilities

(a) Library: College has well equipped central library which contains about 7571 books related to Physics and number of titles are 1723.

(b) Internet Facilities for staff and students: Campus is Wi-Fi enabled.

(c) Class rooms/ Laboratories with ICT facility: Labs -03; Most of the class rooms have ICT Facility which are shared by different departments.

(d) Laboratories-We have (i) Three well equipped and maintained UG level physics laboratories with all required experimental apparatus and components for use of students. We share one lab with Electronics Department also. (ii) One research laboratories with computation and internet facilities for research

(e) Departmental rooms- 06 with lockers and cupboards

31. Number of students receiving financial assistance from college, university, government or other agencies:

Students receiving financial assistance from college

❖ Year 2014-2015: 13

❖ Year 2015-2016 : 17

Students who received financial assistance from govt. agencies

Number of students	Year	Funding Agency	Fellowship Received
6	B.Sc. (Hons)	Department of Science and Technology	Inspire Fellowship

32. Details on student enrichment programmes (special lectures /workshops/seminar) with external experts: Lectures were given by experts mentioned in Point 24. This was followed by student-experts interaction.

33. Teaching methods adopted to improve student learning

- ❖ To build confidence students are asked to give assignment, tests and presentations on regular basis.
- ❖ The academic tours for students are meticulously designed.
- ❖ The faculty members are encouraged to attend refresher / orientation courses.
- ❖ ICT have been used extensively in teaching.
- ❖ An exhaustive list of text books is in pipeline for purchase under the star college scheme for upgrading the quality of teaching.

34. Participation in Institutional Social Responsibilities (ISR) and Extension activities: The department and the students participate in ISR events organized by the college. Members of the Physics faculty along with the students have been actively engaged in social awareness campaigns like Beti Bachao and Beti Padhao Andolan. Teachers from the Department participate in activities including Swachh Bharat Abhiyan- Cleanliness drive, awareness programme for health and hygiene, dengue prevention awareness programme

35. SWOC analysis of the department and Future plans.

Strength:

- ❖ The expertise is in the field of electronics, quantum optics and material science.
- ❖ The department has received innovation project from the university and in-house projects under Star College Scheme funded by Department of Biotechnology.
- ❖ Students actively participate in various in-house project and summer training programmes.
- ❖ The research works published and projects guided by teachers reflect the commitment to research and innovation.

Weakness:

- ❖ Additional laboratories are needed.
- ❖ Industrial training is not a part of curriculum.

Opportunities:

- ❖ The students can make their carrier in the field of research and technology by getting involved in the departmental projects.

Challenges:

- ❖ To uplift student's potential and to motivate them towards research and studies.
- ❖ To focus on capability building to fit in the job market.

Future plans:

- ❖ The department has a robust plan to improve and augment the existing labs and teaching infrastructure along with establishing a dedicated library.
- ❖ The department is planning to sign MOUs with different national laboratories.

DEPARTMENT OF POLITICAL SCIENCE

1. Name of the Department: **Political Science**
2. Year of Establishment: 1959
3. Name of Programmes/ Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.):
 - ❖ Undergraduate
 - ❖ Postgraduate
4. Names of Interdisciplinary courses and the departments /units involved:

Names of Interdisciplinary courses	Departments/units involved
i. CBCS Mode	
(c) Generic Elective Semester I -Nationalism In India/ Gandhi and Contemporary World Semester II- United Nations and Global Conflicts/ Women, Power and Politics	B.A.(Hons)-History, English, Hindi, Economics, B.Com (Hons)
ii. Semester System	
(a) Semester III- Interdisciplinary Concurrent Course-Reading Gandhi	B.A (Hons)-History, English, Political Science, English, Hindi, Economics
(d) Semester IV-Discipline Centred Concurrent Course - Citizenship in a Globalizing World	B.A.(Hons)-History, English, Hindi, Economics. B.Sc.(Hons) Mathematics
(e) Semester III- Democracy and Governance in India	B.Com.(Hons)
(f) Semester III and IV- Foundation Course Human Rights, Gender and Environment	B.A. (Programme)

5. Annual/Semester/Choice Based Credit System (programme wise):

Courses	Programme
i. B.A. (Hons)/ B.A. (Programme) Ist Year	Choice Based Credit System
ii. B.A. (Hons) & B.A. (Programme) IInd Year	Semester System
iii. B.A (Hons) IIIrd Year	Semester System

6. Participation of the department in the courses offered by other departments:

Interdisciplinary Course/Programme	Name of the Department Involved
(i) Under CBCS Mode	
(a) Semester I- Ability Enhancement Compulsory Course: English/MIL Communication	English, Hindi, Sanskrit
(b) Semester II- Ability Enhancement Compulsory Course: Environmental Science	Botany, Zoology, Chemistry
(c) Semester I & II -Generic Elective (GE) Courses	Commerce, History, Hindi, English, Sanskrit, Economics
(ii) Under Semester System	
3. Semester III- Interdisciplinary Concurrent Courses (IDC)	
(a) Environmental Issues in India	History
(b) Mathematical Awareness	Mathematics
(c) Hindi Language, Literature and culture	Hindi
(d) Nationalism and Indian Literature	Sanskrit
4. Semester IV- Discipline Centred Concurrent Courses (DCC)	History, English, Hindi, Economics, Mathematics

7. Course in collaboration with other universities, industries, foreign institution, etc.: Nil

8. Details of courses/Programme discontinued (if any) with reason:

- ❖ In the academic year 2013, B.A. (Programme) course was discontinued under FYUP. This course has since been restored.
- ❖ In the academic year 2014, FYUP was withdrawn by the University of Delhi.

9. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others):

Post	Sanctioned	Filled
Professors	Not Sanctioned	-
Associate Professors	Not Sanctioned	04
Assistant Professors	16	12

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

Name	Qualification	Designation	Specialization	No of years of teaching experience	No. of Ph.D./ M.Phil Students guided for the last 4 years
K.K. Anand	M.Phil.	Associate Professor	International Law, Comparative Politics	42 years	----
S.C. Jha	M.Phil.	Associate Professor	Western Political Thought	38 years	----
Indra Mohan Jha (On Sabbatical Leave)	Ph.D.	Associate Professor	International Relations, United Nations, India's Foreign Policy, Human Rights and Gandhian thought.	20 years	----
Anamika Prasad	Ph.D.	Associate Professor	International Relations, Security and Foreign Policy with special reference to politics of South Asia, Conflict and Peace Studies	16 years	01 M.Phil. 01 Ph.D. Advisor
Aggya Pandeya	M.Phil.	Assistant Professor	Political Theory	9 years	----
Charu Mathur	Ph.D.	Assistant Professor	Feminism and Human Rights	10 years	----
S.N. Dubey	M.Phil.	Assistant Professor	Indian Politics	9 years	----
Sumit Prasher	Ph.D.	Assistant Professor	Indian Politics	6 years	----
Amit Singh	Ph.D.	Assistant Professor	International Relations, Indian Foreign Policy, Indian Diaspora, Defence & Maritime, Southeast Asia and Southwest Pacific	2 years	----

Name	Qualification	Designation	Specialization	No of years of teaching experience	No. of Ph.D./ M.Phil Students guided for the last 4 years
Indrajeet Kumar Jha	Ph.D.	Assistant Professor	Political Theory, Indian Government and Politics (Social Movements, Labour Laws Labour Movements and Judiciary)	2 years	----
Surendra Singh	Ph.D.	Assistant Professor	International Relations, Indian Politics, Democratic Governance	3 years	----
Vikas Kumar	M.Phil.	Assistant Professor	Indian Government and Politics, State, Trade Union Movement, Labour Politics and Labour Laws	5 years	----
Bhav Nath Jha	M.Phil.	Assistant Professor	Indian Government and Politics, International Relations	3 years	----
Prem Chand	Ph. D.	Assistant Professor	International Relations; Indian Political System; African Studies	2 years	----
Renu Keer	M.Phil.	Assistant Professor	International Relations	5 years	----
Dharmendra Kumar Neeraj	M.A.	Assistant Professor	Federalism	1 year	----

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 6% (approx.)

13. Student-Teacher Ratio (programme wise): B.A. (Hons): 22:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: No separate sanction
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph. D/ MPhil/PG: Ph.D. – 08, M. Phil – 07, M.A. – 01
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:
- a) National: Nil
- b) International: Nil
- c) Institutional: 02, (01-Principal Investigator, 01-Co-investigator) Total Grants received: 3.5 lakhs

Name of Principal Investigator/ Co investigator	Title of Project	Name of Funding Agency	Grant Sanctioned (Rs.)	Year of Sanction
Mr. Shambhu Nath Dubey, and Dr. Surendra Kumar Singh	“Challenges of Urban Governance in the Peripheral Areas of Delhi: Local Self Government and Socio-political and economic Development”	University of Delhi	3.5 lakhs	2015
Bhav Nath Jha (Co-Investigator)	“Impact of Social Media on Indian Democracy”	University of Delhi	*	2015
Total			3.5 lakhs	

* An amount of Rs. 3.5 lakhs has been transferred to Hindi Department as the Principal Investigator is from Hindi Department.

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:

Faculty Name	Journals-National/International	Chapter in edited books	Books	Edited Books	Popular/ Newspaper Articles and Book Review
S. C. Jha	--	03	--	--	--
I. M. Jha	02	04	01	--	09 + 13
Anamika Prasad	02	01	--	--	01
Charu Mathur	01	01	--	--	--
S. N. Dubey	--	01	--	--	--
Amit Singh	09	07	--	--	11
Indrajeet K. Jha	01	05	--	--	05+ 01
B. N. Jha	04	--	--	--	01
Vikas Kumar	01	04	--	--	--
Surendra Singh	03	02	02	--	--
Sumit Prasher	02	--	--	--	01
Prem Chand	--	--	--	--	09
Dharmendra K. Neeraj	09	--	--	--	--

- ❖ Number of papers published in Journals(National/International) by Faculty and students: National/International-34, Book Reviews and Popular articles-51
- ❖ 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.):30
- ❖ Monographs: Nil
- ❖ Chapter(s) in Book: 28
- ❖ Book Edited: Nil
- ❖ Books with ISBN/ISSN number with details of publishers: 03
- ❖ Citation Index: 08
- ❖ Impact factor: 0-3.22
- ❖ h-index:02

20. Areas of consultancy and income generated: Nil
21. Faculty as members in: a) National (b) International Committees: Nil
- c) Editorial Boards:
- i. Amit Singh, *Asian Survey*, Institute of East Asian Studies, University of California, Berkeley
 - ii. Amit Singh, *International Relations of the Asia-Pacific*, Oxford Journals, Oxford
 - iii. Amit Singh, *Diaspora Studies*, Taylor & Francis, London
 - iv. Amit Singh, *Journal of Defence Studies*, Institute for Defence Studies and Analyses (IDSA), New Delhi
 - v. Amit Singh, *China Year Book-2014*, Institute for Defence Studies and Analyses (IDSA), New Delhi
 - vi. Indra Mohan Jha, Assistant Editor, *Journal of Peace Studies*, New Delhi, (October 1994- November 1995)
 - vii. S.N. Dubey, *International Journal of Interdisciplinary studies and research*, New Delhi. (2013-2015)
 - viii. Surendra Singh, *International Journal of Interdisciplinary studies and research*, New Delhi. (2013-2015)
 - ix. Indra Mohan Jha, *International Journal of Interdisciplinary studies and research*, New Delhi. (2013-2015)
22. Student projects:
- a) Percentage of students who have done in-house projects including inter departmental/Programme: 4% students involved in different in- house projects.
 - b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies: Nil
23. Awards/recognitions received by faculty and students:
- a) Faculty Awards/Recognitions: Dr. Anamika Prasad (02)
 - i. Received an award by the Universal Peace Federation, as Ambassador for Peace.
 - ii. Received travel grant from Indian Council of Social Science Research (ICSSR), to visit Sri Lanka for collection of data for doctoral research. A Visiting Researcher at the Bandarnaike Centre for International Studies (BCIS), Colombo, Sri Lanka in September 2010
 - b) Awards/recognitions received by students: Every year the college recognizes the students who secure 1st and 2nd position in all the three years indifferent courses/programmes with a cash prizes and a certificate of appreciation. Principal C.L. Suri Memorial Prize is given

every year to the best girl and best boy student of Political Science (Hons) in the college. The list of these students is given below:

Year	Name	Course	Position
2013-14	Anjali	1 st Year	I
	Yamin Choudhary	1 st Year	II
	Manoranjan Kumar	2 nd Year	1
	Mohit Bagadi Aditya Pratik	2 nd Year	II II
	Manu Kumari	3 rd Year	II
2012-13	Megha Srivastava	1 st year	I
	Jyoti Gupta	1 st year	II
	Megha Jain	2 nd Year	1
	Manu Kumari	2 nd Year	11
	Satyam Singh	3 rd Year	1
	Swati Saxena	3 rd Year	II

❖ **Principal C.L.Suri Memorial Prize: 2012-13**

Name	Course	Year
Megha Jain	B.A. (Hons) Political Science	2 nd Year
Megha Srivastava	B.A. (Hons) Political Science	1 st Year

❖ **Principal C.L.Suri Memorial Prize: 2013-14**

Name	Course	Year
Anjali	B.A. (Hons) Political Science	1 st Year
Yamin Choudhary	B.A. (Hons) Political Science	1 st Year

24. List of eminent academicians and scientists/ visitors to the department:
 Professor Achin Vinayak (Department of Political Science, University of Delhi), Praful Bidwai (Social Activist and Journalist), C. Raj Kumar (Global Jindal University), Professor Anand Kumar (JNU), Professor Avijit Pathak (JNU), Professor Subrata Mukherjee (Department of Political Science, University of Delhi), Professor Shanta N. Verma and Professor Ashok Acharya (Department of Political Science, University of Delhi), Dr. Himanshu Roy (Fellow Nehru Memorial Museum and

Library), Professor Subhash C. Kashyap (Former Secretary General, Lok Sabha), Professor M.P. Singh, Professor S.P. Singh, Professor Sunil Choudhary (Department of Political Science, University of Delhi)

25. Seminars/ Conferences/ Workshop organised & the source of funding:

- a) National: National Seminar on ‘Urban Governance: Major Issues and Challenges’, November 6-7, 2006, ARSD College, New Delhi, Convenor-Dr. Rajvir Sharma, Associate Professor (Retired)
- b) International: Nil

26. Student profile programme/ course wise:

Name of the course/programme	Year	Application Received	Students Admitted	Appeared		Pass percentage
				Male	Female	
B. A. (Hons)	2011-2012	*	71	37	12	89.90
	2012-2013	*	107	41	37	98.72
	2013-2014	*	117	59	29	64.77
	2014-2015	*	119	69	39	75

*There is a system of centralized admission form through which students apply for various courses/programmes (off-line/on-line) for all colleges of university. The college decides cut-off after receiving CD of application forms the University.

❖ M.A. in Political Science

Name of the course/programme	Year	Students Admitted	Appeared		Pass percentage
			Male	Female	
M.A. in Political Science	2011-2012	33	10	09	31.58
	2012-2013	28	10	07	47.06
	2013-2014	26	08	10	33.33
	2014-2015	38	21	13	67.65

27. Diversity of Students:

Name of the course	Year	% of students From the same States	% of students From the other States	% of students From abroad
B.A. (Hons)	2013-14	81	18	1
B.A. (Hons)	2014-15	69	28	3
B.A. (Hons)	2015-16	83	12	5

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defence Services, etc.: The College is in the process of formalizing a mechanism to collect the data through alumni network.

29. Student Progression: The College is in the process of formalizing a mechanism to collect the data through alumni network.

30. Details of Infrastructural facilities:

- v. Library: College Common Library (Total number of Political Science books- 9857, Journals- 03).
- vi. Internet facilities for Staff & Students: College has provided internet and Wi-Fi facility to all staff and students for the enhancement of their teaching learning process. Student can download online study materials.
- vii. Class rooms with ICT facility: Many class rooms are equipped with Projector for class room teaching and other academic activities.
- viii. Laboratories: Not Applicable

31. Number of students receiving financial assistance from college university, government or other agencies:

❖ Fee Concession given by College: B.A. (Honours) Political Science

Year	No. of Students
2014-15	06
2015-16	17

❖ Financial assistance from other agencies:

Financial Assistance by Central/State Governments and other agencies	No. of Students
2014-15	14

32. Details on student enrichment programmes (special lectures / workshop / seminar) with external experts: Department of Political Science regularly organizes special lectures, talks and seminars on various social and political issues for students and encourages them to interact with eminent speakers and enhance their knowledge.
- i. The Department of Political Science Association **Republica** organized a panel discussion on “NJAC Judgement: Tilling the Balance on 6th November, 2015. The speakers were Professor Subhash C. Kashyap, former Secretary General Lok Sabha, Professor M. P. Singh, Professor Sunil Kumar Choudhary, Professor S. P. Singh (Department of Political Science, University of Delhi) and Mr. Sandeep Mahapatra (Advocate, Supreme Court of India).
 - ii. The Department of Political Science Association **Republica** organized a talk on ‘Citizenship in Aristotle’s Politics: Contemporary Challenges’ by Professor Ashok Acharya, Department of Political Science, University of Delhi, in October 2015.
 - iii. The Annual Academic Festival **POLIFORUM** was organised under the aegis of Political Science Association **Republica**, in March 2015. A number of events like talk, Chaupal and quiz were held which witnessed large participation by students.
 - iv. Department of Political Science Association **Republica** organized a talk on ‘*India and US: In Pursuit of Strategic Partnership*’, by Professor Shanta N. Varma, Department of Political Science and Dr.I.M. Jha, Associate Professor, ARSD College in March, 2015.
 - v. Dr. Himanshu Roy, Fellow, Nehru Memorial Museum and Library, was invited by the Department of Political Science to deliver a talk on ‘*National Security*’ on 18th September, 2014.
 - vi. Professor Subrata Mukherjee was invited by the Department of Political science to deliver a talk on ‘*India’s Foreign Policy in the age of Coalition*’, in March 2014.
33. Teaching methods adopted to improve student learning:
- ❖ ICT- aided teaching
 - ❖ Screening documentaries/movies on social-political issues along with discussion.
 - ❖ As per syllabus requirement we regularly assess students with assignments, discussions, presentations and class tests.
 - ❖ We organise study tours, skit and street plays for teaching-learning enhancement.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- ❖ Participation by Department in various activities conducted under the aegis of NSS - Blood donation, distribution of basic amenities at night shelter, Dramatic Society *Rangayan*, Cultural Society, Debating Society, Women Development Cell (WDC) programmes - Beti Bachao Beti Padahao Andolan, self-defence training workshops, gender sensitisation workshops and Yoga camp
- ❖ Participation in Plantation drives to protect and conserve the environment
- ❖ Department is part of Swachh Bharat Abhiyan and participates in campus cleanliness drives
- ❖ A skit was performed by students of first year political science (Hons) on the theme of *Satyagraha* as practiced by Mahatma Gandhi and Anna Hazare. Two movements were selected by the students for this skit- Non- Cooperation and Indian against Corruption movement

35. SWOC analysis of the department and future plan:

Strength:

- ❖ Teaching is done separately in English and Hindi mediums for the students by the faculty of Political Science.
- ❖ The Department has formed a departmental association of students which is called REPUBLICA. This is one of the forums which provide a space to students to interact with eminent scholars and encourage innovative thinking.
- ❖ Teachers make it a point to be available to the students in a mentoring, counselling role—be it for their immediate academic concerns, future career choices or even personal problems.
- ❖ Faculty members are actively engaged in independent research and innovative practices. They regularly participate in national and international level seminars, workshops, conferences and colloquiums. Large numbers of them publish their works in Hindi and English.

Weakness:

- ❖ Department is not able to organise regular national/international seminars.
- ❖ Organization of study trips is not on a regular basis.

Opportunity:

- ❖ There is ample opportunity for organizing seminars and workshops for hands-on training of the students.
- ❖ The faculty and students can take up more UGC/ICSSR and Delhi University research projects.

Challenges:

- ❖ To evolve more interesting activity based teaching alongside chalk and talk method
- ❖ Poor rating of the subject in the job market
- ❖ To improve teaching-learning method in changing socio-economic scenario is the biggest challenge

Future plans:

- ❖ We can introduce some short-term self-financing courses on themes like election survey, human rights and legal literacy, etc.
- ❖ Regular theme-based annual departmental function.
- ❖ Better acquisition and adapting of technology and other good practices in Undergraduate and Post-graduate teaching
- ❖ To enhance the academic environment, department is planning to organize seminar/workshops on a regular basis. Lecture series by eminent scholars is also proposed. Skill enhancement workshops for teachers are also in the pipeline.
- ❖ To set up a separate departmental library.

DEPARTMENT OF SANSKRIT

1. Name of the Department: **Sanskrit**
2. Year of establishment: 1959
3. Names of Programmes/Courses offered: B.A. (Programme) with Sanskrit
4. Names of the Interdisciplinary courses and the departments/units involved-

Names of Interdisciplinary courses	Departments/units involved
i. CBCS Mode	
(a) Generic Elective Semester I – Indian Culture and Social Issues/ Epigraphy and Palaeography Semester II- Ancient Indian Polity/Nationalism and Indian Literature	B. A. (Hons)-History, English, Hindi, Economics, Political Science B. Com. (Hons)
(b) Sanskrit MIL- Niti Literature Semester I Semester II	B. A. (Prog.) B. Com. (Prog.)
(c) Ability Enhancement Compulsory Course (AECC) -MIL Communication Semester I Semester II	B. A. (Hons), B. A. (Prog.), B. Com. (Hons), B.Com. (Prog.) B. Sc. (Hons) & B. Sc. (Physical Science)
(d) Core Course Semester I-Sanskrit Poetry Semester II-Sanskrit Prose	B. A. (Prog)
ii. Semester System	
(a) Semester III- Interdisciplinary Concurrent Course-Nationalism and Indian Literature	B. A. (Hons) History, Political Science, Hindi
(b) Semester IV –Discipline Centred Concurrent Course – Sanskrit Language & Literature	B. A. (Hons) History, Political Science, Hindi, English, B. Sc. (Hons) Mathematics
(c) Semester III-Concurrent Qualifying Sanskrit Language Course	B. Sc. (Hons) Mathematics

(d) Sanskrit Discipline Semester III –Sanskrit Vyakaran Evam Rachna Semester IV-Sanskrit Natak Evam Sahitya ka Itihaas	B. A. (Programme)
(e) MIL-Semester I & II	B. A. (Programme)

5. Annual/semester/choice based credit system(programme wise):

Name of the Course	Programme
B.A. (Programme)-I Year	Choice Based Credit system
B.A. (Programme)—II Year	Semester System

6. Participation of the department in the courses offered by other departments:
Not Applicable

7. Courses in collaboration with other universities, industries, foreign institutions etc.- Nil

8. Details of programs discontinued, if any, with reasons:

- ❖ In the academic year 2013-14, B.A. Programme Course was discontinued under FYUP. This course has since been restored.
- ❖ In the academic year 2014-15, FYUP Programme was withdrawn by the University of Delhi.

9. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others)-

Posts	Sanctioned	Filled
Professor	Not Sanctioned	-
Associate Professor	Not Sanctioned	01
Assistant Professor	01	-

10. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Teaching Experience	No. of M. Phil/Ph.D. Students guided for last 4 years
Dr. A. Sudha Devi	Ph.D.	Associate Professor	Grammar	28years	06

11. List of senior visiting Faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 53% (approx.).
13. Student-Teacher Ratio: B.A.(Programme) with Sanskrit – 21:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: No separate sanction
15. Qualifications of teaching faculty with DSc /D.Litt. /Ph.D./M.Phil./PG: Ph.D.-1
16. Number of faculty with on-going and completed projects from (a) National (b) International funding agencies and (c) total grants received: Nil
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and grants received: Nil
18. Research Centre /facility recognized by the University: Nil
19. Publications:
 - a) Publication per faculty:

Dr. A. Sudha Devi:

 - ❖ Books authored: 11
 - ❖ Number of papers published in peer-reviewed journals (national/international) by faculty and students: Nil
 - ❖ 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 (s)in Books- Nil
 - ❖ Books Edited –Nil
 - ❖ Books with ISBN/ISSN numbers with details of publishers-03
 - ❖ Citation Index- Nil
 - ❖ Impact factor- Nil
 - ❖ h-index- Nil

20. Areas of consultancy and income generated- Nil
21. Faculty as members in
- (a) National committees/International Committees/ Editorial Board: Nil
22. Student projects
- a) Percentage of students who have done in-house projects including interdepartmental/programme- Nil
- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies- Nil
23. Awards / Recognitions received by faculty: Nil
24. List of eminent academicians and scientists/ visitors to the department:
- List of eminent academicians / visitors to the Department:
- i. Dr. Kamla Bharadwaj, Associate Professor, Dept. of Sanskrit, Lal Bahadur Shastri Sanskrit Vidyapeeth, Delhi, 2010.
- ii. Dr. Shanno Grover, Associate Professor, Dept. of Sanskrit, Vivekanand Mahila College, Delhi , 2012.
- iii. Dr. Girish Nath Jha, Associate Professor, Computational Linguistics, Special Centre for Sanskrit Studies, JNU, Delhi, 2015.
25. Seminars/Conferences/Workshops organized & the source of funding
- a) National: Nil
- b) International: Nil
26. Student profile programme/course wise:

Name of the programme B. A. (Prog.)	Applications Received	Students Admitted	Appeared		Pass percentage
			Male	Female	
2011-2012	*	133	57	43	61
2012-2013	*	124	45	31	64.47
2013-2014	*	108	48	25	72.60
2014-2015	*	114	65	26	57.14

*There is a system of centralized admission form through which students apply for various courses (online and offline) to all the colleges of the University. The College decides cut-offs after receiving CDs of application forms from the University

27. Diversity of Students:

Name of Course	% of students from Delhi	% of students from other states	% of students from foreign
B. A. (Prog.)	90	10	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.: The College is in the process of formalizing a mechanism to collect the data through alumni network.

29. Student Progression: The College is in the process of formalizing a mechanism to collect the data through alumni network.

30. Details of Infrastructural facilities-

- Library: No. of books on Sanskrit – 1,452
- Internet facilities for Staff & Students: Campus wide Wi-Fi, Common Computer Lab.
- Class rooms with ICT: There are classrooms equipped with LCD projectors for power point presentations.
- Laboratories: Not Applicable

31. Number of students receiving financial assistance from college, university, government or other agencies: Nil

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts: Eminent Scholars from different institutions have visited the department in the past to deliver talks and lectures on relevant themes for knowledge enhancement of our students.

33. Teaching methods adopted to improve student learning:

- ❖ Reading and recitation
- ❖ Quiz, written assignments and oral assessments to monitor the student's progress in the learning of language
- ❖ Presentations through power point method, enactments, role-play, painting competitions (on themes drawn from Sanskrit Literature)
- ❖ Sanskrit quiz, debate and shloka singing competitions to further enrich the teaching-learning process.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities. Teachers from the Department motivate students to undertake community welfare activities and participate in other welfare programmes organized by the College.

35. SWOC analysis of the department and Future plans:

Strengths:

- ❖ Sanskrit is a classical language and much of our ancient culture, science, knowledge and philosophy are preserved in this language only. The world looks up to us because of this knowledge. This language is a symbol of the great Indian tradition and thought. It is, therefore, one of the most cherished aims of ARSD College to work for the propagation and dissemination of this language among the new generation learners through whom the ancient legacy can be well-looked-after.

Weaknesses:

- ❖ From the perspective of market potential, the Department lags behind. It is not as popular a spoken language as other Indian languages are in current times.

Opportunities:

- ❖ Sanskrit is considered to be the most computer-friendly language; it has the capability to replace artificial languages. We can make use of the knowledge preserved in Sanskrit texts by learning the language.

Challenges:

- ❖ Not many seem keen on learning this language. Our cultural heritage will be harmed by not giving Sanskrit its due.

Future plans:

- ❖ Apprise students of the beauty and strength of Sanskrit Language and Literature
- ❖ Make students discern the influence of Sanskrit on other languages and literature
- ❖ Motivate students to know their culture and national heritage through learning the language
- ❖ Create research opportunities
- ❖ Introduce Honours Degree Course in Sanskrit in future soon
- ❖ Introduce courses in Ayurveda and Astronomy

DEPARTMENT OF ZOOLOGY

1. Name of the Department: **Zoology**
2. Year of establishment: 2005
3. Names of the programs offered: Undergraduate
4. Name of the Interdisciplinary Courses/ programmes and Departments involved:

Name of Interdisciplinary Course/ Programme	Name of the Department Involved
(i) Under CBCS Scheme	
Ability Enhancement Compulsory Course: Semester I Environmental Science	B.Sc.(Hons)-Chemistry, Physics, Electronics, Mathematics, Computer Science
Generic Elective Semester II Biomedical Science	B.Sc.(Hons)-Chemistry, Physics, Electronics, Computer Science, Mathematics
(ii) Under Semester System	
(a). III semester- Introduction to Biology (LSPT 101)	B.Sc.(Physical Science)
(b). IV semester- Cell & Cellular Processes (LSPT 202)	

5. Annual/ Semester/Choice Based Credit system Programme wise:

Name of the Course	Programme
B.Sc. (Hons) Zoology III Year	Semester
B.Sc. (Physical Science) II Year	Semester

6. Participation of the Department in the courses offered by other departments.

Interdisciplinary Courses/Programme	Name of the Department Involved
(i) Under CBCS Scheme	
Semester-I Ability Enhancement Compulsory Course: Environmental Science	Botany, Chemistry
Semester-II Ability Enhancement Compulsory Course: English/ MIL Communication	English, Hindi, Sanskrit

7. Courses in collaboration with other universities, industries, foreign institutes etc.: Nil

8. Details of programs discontinued, (if any) with reasons:

- ❖ In academic year 2013 B.Sc.(Physical Science) was discontinued under FYUP. This course has since been restored.
- ❖ In academic year 2014 B.Sc.(Hons)Zoology was discontinued as FYUP system was withdrawn by university

9. Number of teaching posts:

Posts	Sanctioned	Filled
Professor	Not Sanctioned	-
Associate Professor	Not Sanctioned	-
Assistant Professor	02	02

10. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc.):

Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D./ M. Phil students guided for the last 4 years
Swati M. Biswas	Ph.D.	Assistant Professor	Cell &Molecular Biology, Microbiology	6 years	--
Kanchan Srivastava	Ph.D.	Assistant Professor	Entomology	3 years	--

11. List of senior visiting Faculty: Nil

12. Percentage of lectures delivered and practical classes handle (programme wise) by temporary faculty: 50%

13. Student/Teacher Ratio (Programme wise):

B.Sc. (Hons) Zoology: 10:1

14. Number of academic support staff (technical) and administrative staff:

Sanctioned, filled and actual:

Academic support staff (Technical) sanctioned: 05, Filled: 02

Administrative staff: No separate sanction

15. Qualifications of teaching faculty with DSc /D.Litt. /Ph.D./M.Phil./PG:
Ph.D. : 02

16. Number of faculty with on-going projects from

(a) National Agency: Nil

(b) International funding agencies and grants received: Nil

(c) Institutional agency: 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

Name of Faculty	Number of publications in peer reviewed journals		Chapters in Books	Books edited	Books Authored with ISBN/ISSN
	National	International			
Swati M. Biswas	--	03	--	--	--
Kanchan Srivastava	--	08	--	--	--

❖ Number of papers published in peer reviewed journals (national/international) by faculty and students: 11

❖ Number of publication listed in International Database (For eg: Web of Sciences, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc): 11

❖ Citations Index:

Citations: 56

❖ i10-index: 0

❖ Impact Factor Range: 0.752-2.298

❖ h-index: 4

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 student who have done In-house Projects including interdepartmental programme: 6%
 - b. Percentage of student placed for project in organizations outside the institution i.e. Research Industries/Industry/other agencies: Nil
23. Awards / Recognitions received by faculty and students:
- ❖ Awards/ Recognitions received by faculty: Nil
 - ❖ Awards / Recognitions received by Students:
Every year the college recognizes the students who secure 1st and 2nd position in all the 3 years in different courses/ programmes with cash prize and an appreciation certificate on college's Annual day. The list of such students is given below:

Student Name	Year	Course	Position/Award
Eshwaria III year	2013-14	B.Sc. (Physical science) Electronics	I
Asha Verma III year			II
Deepak Chandra II year			I
Amit Kumar II year			II
Nikita Chauhan III year	2013-14	B.Sc. (Physical science) Chemistry	I
Puja III year			II
Vinay Kadian II year			I
Priyanka Verma II year			II
Nisha Kumari III year	2013-14	B.Sc. (Physical science) Computer Science	I
Sakshi Sejwal III year			II
Sameer Chaudhary II year			I
Nikita Tomar II year			II
Nitin Pawan III year	2012-2013	B.Sc. (Physical science)	I
Kashira Seharawat III year			II

Student Name	Year	Course	Position/Award
Eshwaria II year		Electronics	I
Rahul Sharma II year			II
Deepak Chandra Bhatt I year			I
Amit Kumar I year			II
Vinay Kumar III year	2012-2013	B.Sc. (Physical science) Chemistry	I
Sadhna III year			II
Nikita Chauhan II year			I
Puja II year			II
Vinay Kadian I year			I
Shalu jha & Rahul Kumar I year			II
Manju Sharma III year	2012-2013	B.Sc. (Physical science) Computer Science	I
Nitasha Yadav III year			II
Raman Sharma II year			I
Nisha Kumari II year			II
Sameer Chaudhary I year			I
Manish Gupta I year			II
Sweety Pundir I year	2013-2014	B.Sc. (Hons) Zoology	I
Kumari Komal I year			II

- ❖ S.K.Batra Memorial Prize-Best student of B.Sc.(Physical science) Electronics of the college: Eshwaria (II year).

24. List of eminent academicians and scientists / visitors to the Department:

- ❖ Prof Rup Lal from Department Of Zoology, University of Delhi (2006).

25. Seminars/ Conferences/Workshops organized & the source of funding

- a. National/ International : Nil

26. Student profile programme/course wise:

Name of the Course /Programme	Year	Applications Received	Admitted	Appeared		Pass Percentage
				M	F	
B.Sc. (Physical Science) Chemistry	2011-12 (non-electronics)	*	95	20	14	70.59
	2012-13	*	103	24	13	35.14
	2013-14	*	109	49	34	30.12
	2014-15	*	79	39	25	40.63
B.Sc. (Physical Science) Electronics	2011-12 (With Electronics)	*	78	27	19	41.30
	2012-13	*	84	21	04	64.00
	2013-14	*	109	73	17	46.67
	2014-15	*	79	47	23	42.86
B.Sc. (Physical Science) Computer Science	2012-13		77	19	11	60.00
	2013-14	*	76	43	21	48.44
	2014-15	*	72	43	20	38.10

* There is a system of centralized application form. The students apply for various courses (online/offline) of all the colleges of the university. The college decides cut-off after receiving CD of application forms from the university.

27. Diversity of Students:

Name of the course	Year	% of students from the same state	% of students from other States	% of Students from abroad
B.Sc. (Physical Science) Computer Science	2013-14	48.34	51.66	---
	2014-15	51.42	48.42	---
	2015-16	62.33	37.66	---

Name of the course	Year	% of students from the same state	% of students from other States	% of Students from abroad
B.Sc. (physical Science) Chemistry	2013-14	54.64	45.36	---
	2014-15	56.45	43.54	---
	2015-16	67.82	32.19	---
B.Sc. (physical Science) Electronics	2013-14	61.54	38.46	---
	2014-15	53.42	46.55	---
	2015-16	53.33	46.67	---
B.Sc. (Hons) Zoology	2015-16	70	30	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.: The College is in process of formulating the mechanism for collecting the data.
29. Student progression information: The College is in process of formulating the mechanism for collecting the data.
30. Details of Infrastructural facilities :
- a. Library: College has well equipped central library which contains 574 books of Botany & Zoology.
 - b. Internet facilities for Staff & Students: Campus is Wi-Fi enabled.
 - c. Class rooms with ICT facility: The College has a number of class rooms with ICT facility which are shared by various Departments.
 - d. Laboratories: One well-equipped Laboratory shared by Botany & Zoology departments.
31. Number of students receiving financial assistance from college, university, government or other agencies: 01(One student of Zoology (Hons) has been given fee concession from the last two years).
32. Details on student enrichment programmes (special lectures / workshops/ seminar) involving external experts: 02
- ❖ Training held for students in the lab of Prof. Vinod Kumar, Department of Zoology, University of Delhi under ARSD Star College sponsored by DBT.

- ❖ Dr.B.C.Sabata from Department of Environment Govt. of NCT of Delhi delivered a lecture in 2015.

33. Teaching methods adopted to improve student learning:

- ❖ For effective teaching, computer technology is conducted in class rooms for zoological studies, and video/ virtual demonstrations of various techniques in dissections.
- ❖ The academic tours for students are meticulously designed.
- ❖ Assignment and Tests are given to students. They are also asked to give presentations.
- ❖ Teacher-Student interactive sessions to enhance student confidence and personality.
- ❖ An exhaustive list of text books is in pipeline for purchase under the Star College scheme for upgrading the quality of teaching.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

The department and the students participate in ISR events organized by the college. Members of the Department along with the students have been actively engaged in social awareness campaigns like “**Beti Bachao-Beti Padhao.**” Members have also participated in activities including “**Swachha Bharat Abhiyan**” Cleanliness drive, awareness programme for health and hygiene, dengue prevention awareness programme. Environment friendly practices are being carried out by the students under the “**ECOCLUB**” of the college.

35. SWOC analysis of the department and Future plans

Strengths:

- ❖ Wide range of courses and well established departments
- ❖ Computer enabled class rooms that facilitate video/virtual demonstrations for various complex Zoological topics and real dissections
- ❖ Highly equipped research labs pursuing research work.
- ❖ Lecture rooms fitted with LCD projector and overhead display
- ❖ Faculties have expertise in the field of Cell & Molecular biology, Cytogenetic, Microbiology, and Entomology

Weaknesses:

- ❖ Laboratory shared by both Botany and Zoology Departments due to lack of space
- ❖ Requirement of controlled condition in the form of a culture room and a concrete bigger lab for conducting experiments

Opportunities:

- ❖ Molecular biology techniques for the Biotech and Pharma industries can be taught with the aid of modern techniques. Hands-on training workshops are proposed for the students

Challenges:

- ❖ Construction of working laboratory for conducting experiments is a big challenge for the department due to inadequate space

Future plans:

- ❖ Separate laboratories for Botanical and Zoological sciences
- ❖ To get approval for applied /honours courses for both the Departments so as to benefit the students
- ❖ To organize national & international seminars/workshops as the lab is well equipped
- ❖ We will involve more students in innovation/in-house projects

POST ACCREDITATION PLAN

Our SSR is a dossier of the efforts made by the College in the past and a reflection of the plans it has drawn for itself. For us, our post-accreditation plans are those objectives which we hope to achieve soon after accreditation. These we have divided under the following heads:

Infrastructure

- ❖ Student Activity Centre (SAC) with an updated Gymnasium, Rehearsal Room and facilities for Indoor Games
- ❖ Expansion of library in order to create more stack space for books and additional reading space
- ❖ Mini-Auditorium with a seating capacity for about 400 people
- ❖ Student Utility Centre with provisions for stationary, text-books, PCO, document scanning, phone recharge, photocopy and fax
- ❖ Research Block for teachers and more facilities in department rooms
- ❖ Conference room for teachers to hold committee meetings and other discussions
- ❖ Develop Sitting Space around the sports ground
- ❖ Expand green cover of the Campus
- ❖ Install LED lights and recycling of e-waste

Administration

- ❖ Focus on making ARSD a paper-free campus with an emphasis on efficient use of electronic devices
- ❖ Training for non-teaching staff to make them up-to-date with best practices, clerical innovations and ICT usage
- ❖ Drives to further sensitize faculty and staff towards female students and students with special needs
- ❖ Organize health check-ups for the staff/students and blood donation camps
- ❖ Increase frequency of communication between faculty and administration to address procedural hassles, both academic and administrative, faced by the students and staff of the College
- ❖ A College calendar with a list of academic and cultural activities
- ❖ Add more LCD screens with an objective to disseminate information, webcast events organized by the university, telecast Principal's message and academic videos
- ❖ Partnerships with more NGOs and industries for extension activities
- ❖ Holding Open Days on Campus for the benefit of the applicants

Faculty Development Programme:

The College proposes to organize faculty development programmes for the following clusters and around the following themes:

Clusters

- ❖ Humanities
- ❖ Social Sciences
- ❖ Physical Sciences
- ❖ Electronics and Computer Sciences

Themes

- ❖ Teaching and Evaluation Methodology
- ❖ Workshops to address new academic courses/papers
- ❖ Seminars to discuss research publications
- ❖ Inter-disciplinary talks and sessions
- ❖ Further development of IT skills

Subsequently, the clusters will be expanded to include individual concerns/requirements of each department in the College.

The College proposes to incentivize research by instituting awards for research and excellence in the field of teaching.

Academic Plans and Institutional Social Responsibility:

- ❖ The College hopes to start short-term add-on and skill development courses. These courses, as proposed by the IQAC, can be self-financed and shall be open to students irrespective of their institutional affiliation.
- ❖ Summer training programmes for students in collaboration with NSDC, industry and cultural bodies like **Sahitya Akademi, Sangeet Natak Akademi, National School of Drama and research centres such as the IITs and Indian Institute of Science, Bangalore.**
- ❖ College has plans to invite experts during the orientation programmes of various cultural societies to train and motivate the students in general, and the first semester students in particular.
- ❖ **Remedial classes**, as per the recommendations of the IQAC, shall be held for slow learners and students from underprivileged background
- ❖ To involve more students in the **research and innovation through Star College Grant, Technology Incubation Centre and Innovation Projects**
- ❖ Analyse the performance of our students and organize avenues for teacher-student interaction

- ❖ In addition to projects undertaken under the **Star scheme, university innovation projects and projects started under the aegis of Business Incubation Centre**, the College proposes to start **in-house innovation projects**.
- ❖ The College has planned to **adopt a village** in coordination with local administration, District Collector and the gram panchayat. **Sanitation, safe drinking water, education, securing the future of the girl child and health** are some of the areas where we hope to make a constructive intervention.
- ❖ Organize **environment awareness programmes** and increase green patches within the College with the help of the gardening committee and the Eco Club
- ❖ Formalization of a mechanism to collect alumni information regarding their placements and success in other academic and competitive examinations

Map of College's Master Plan



List of Abbreviations

AECC	Ability Enhancement Compulsory Course
APAR	Annual Performance Appraisal Report
API	Academic Performance Indicators
CAS	Career Advancement Scheme
CBCS	Choice Based Credit System
CDT	Cadet
CIC	Cluster Innovation Centre
CP	Contact Period
CPDHE	Centre for Professional Development in Higher Education
CSIR	Council of Scientific & Industrial Research
DBT	Department of Biotechnology
DG	Director General
DSE	Discipline Specific Elective
DoE	Department of Environment
DST	Department of Science and Technology
DU	University of Delhi
DULS	Delhi University Library System
ECA	Extra Curricular Activities
ELPC	English Language Proficiency Course
EOC	Equal Opportunity Cell
ERP	Enterprise Resource Planning
EVS	Environmental Studies
FYUP	Four Year Undergraduate Programme
GFR	General Financial Rules
GPF	General Provident Fund
IA	Internal Assessment
ICAST	Information Centre for Aerospace Science and Technology
ICCR	Indian Council for Cultural Relations
ICMR	Indian Council for Medical Research
ICTP	International Centre for Theoretical Physics
IGNOU	Indira Gandhi National Open University
IIT	Indian Institute of Technology
ILLL	Institute of Lifelong Learning

INFLIBNET	Information and Library Network
INMAS	Institute of Nuclear Medicine & Allied Sciences
IQAC	Internal Quality Assurance Cell
ISR	Institutional Social Responsibility
IT & ITES	Information Technology and Information technology enabled services
ICT	Information and Communications Technology
JAWS	Job Access with Speech (software)
JNU	Jawaharlal Nehru University
JUO	Junior Under Officer
MG	Maintenance Grant
MHRD	Ministry of Human Resource Development
MIL	Modern Indian Language
M/oMSME	Ministry of Micro, Small, and Medium Enterprises
N-LIST	National Library and Information Services Infrastructure for Scholarly Content
NCC	National Cadet Corps
NCT	National Capital Territory
NPL	National Physical Laboratory
NPS	New Pension Scheme
NSD	National School of Drama
NSDC	National Skill Development Corporation
NSO	National Sports Organization
NSS	National Service Scheme
ONGC	Oil and Natural Gas Corporation
PBAS	Performance Based Appraisal System
PCP	Personal Contact Programme
PF	Provident Fund
PFRDA	Pension Fund Regulatory & Development Authority
RCC	Research Coordination Committee
SAC	Student Activity Centre
SAF	Students' Aid Fund
SFC	Student-Faculty Committee
SGT	Sergeant
SMEs	Small and Medium Enterprises
SOL	School of Open Learning

SOUL	Software for University Libraries
SS Fund	Student Society Fund
SUO	Senior Under Officer
UGC	University Grants Commission
USIC	University Science Instrumentation Centre
WDC	Women Development Cell

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 discussions, 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.

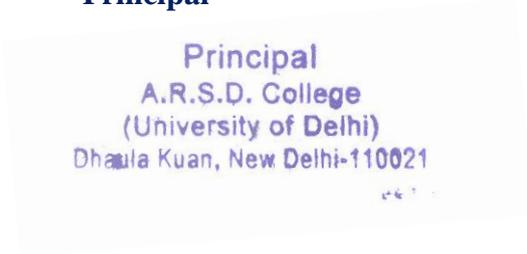


(Dr. Gyantosh Kumar Jha)

Principal

Place: New Delhi

Date: 9th November 2015.



Principal
A.R.S.D. College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

CERTIFICATE OF COMPLIANCE

This is to certify that **Atma Ram Sanatan Dharma College** fulfils all norms

1. Stipulated by affiliating University: **University of Delhi**
2. Regulatory Body: **UGC**
3. The affiliation and recognition is valid as on date.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given to NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

(Dr. Gyantosh Kumar Jha)

Principal

Principal

A.R.S.D. College

(University of Delhi)

Dhaura Kuan, New Delhi-110021

Place: New Delhi

Date: 9th November 2015

Annexure I



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 "Atma Ram Sanatan Dharma College, Dhaula Kuan, New Delhi - 110 021" is affiliated 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 Courses (s) and Duration	Affiliation		Period of Validity for the year (s)	
		Permanent	Temporary		
(i)	B.A Programme	3 Years	Permanent	--	
	B.A (Hons.) Economics	3 Years	Permanent	--	
	B.A (Hons.) English	3 Years	Permanent	--	
	B.A (Hons.) Hindi	3 Years	Permanent	--	
	B.A (Hons.) History	3 Years	Permanent	--	
	B.A (Hons.) Political Sc.	3 Years	Permanent	--	
	B.Com (Prog.)	3 Years	Permanent	--	
	B.Com (Hons.)	3 Years	Permanent	--	
	B.Sc (H) Mathematics	3 Years	Permanent	--	
	B.Sc (Hons.) Chemistry	3 Years	Permanent	--	
	B.Sc (Hons.) Comp. Sc.	3 Years	Permanent	--	
	B.Sc (Hons.) Electronics	3 Years	Permanent	--	
	B.Sc (Hons.) Physics	3 Years	Permanent	--	
	B.Sc (Phy. Sc.) Chemistry	3 Years	Permanent	--	
	B.Sc (Phy. Sc.) Electronics	3 Years	Permanent	--	
B.Sc (Phy. Sc.) Comp. Sc.	3 Years	Permanent	--		
B.Sc Applied Phy. Sc. (I.C)	3 Years	Permanent	--		
(ii)	B.Tech in Computer Science (already admitted for academic year 2013-2014)*	4 Years	--	Temporary	2013-2017
	B.Tech in Electronics (already admitted for academic year 2013-2014)*	4 Years	--	Temporary	2013-2017
	B.Sc. (Hons.) Zoology	3 Years	--	Temporary	2013-2016
(iii)	M.A (English)	2 years	Permanent	--	--
	M.A (Hindi)	2 years	Permanent	--	--
	M.A (Political Science)	2 years	Permanent	--	--
	M.Com	2 years	Permanent	--	--

* Subject to appropriate approval of Regulatory Bodies such as UGC & AICTE.

Alka Sharma
Ms. Alka Sharma
Registrar

Seal:



The Principal,
Atma Ram Sanatan Dharma College,
University of Delhi.

Annexure II

Pf. 23236351, 23232701, 23237721
23234116, 23235733, 23232317
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)
UGC Website: www.ugc.ac.in
F. No. 8-35/2013 (CPP-I/C)

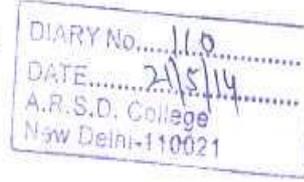


विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली-110 002
UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

Spudhast

May, 2014

The Principal,
Atma Ram Sanatan Dharma College
(University of Delhi)
Dhaulta Kuan
New Delhi – 110 021



20 MAY 2014

Sub: - Recognition of Atma Ram Sanatan Dharam College, Dhaulta Kuan, New Delhi – 110 021 under Section 2 (f) & 12 (B) of the UGC Act, 1956.

Sir,

With reference to your letter no. 210 dated 29.04.2014 on the above subject, I am directed to say that the name of **Atma Ram Sanatan Dharam College, Dhaulta Kuan, New Delhi – 110 021** established in the year of **1959**, affiliated to **University of Delhi** is included in the list of Colleges maintained under **Section 2 (f) & 12 (B)** of the UGC Act, 1956 under the head **Non-Government** College teaching upto **Master's Degree**.

Yours faithfully,

Charan Dass
(Charan Dass)
Under Secretary

Annexure III

DIARY No. 606
DATE 11.12.14
A.R.S.D. College
New Delhi-110021

p23235735/ 23239437/23235733/
23232701 23237721/ 23232317/
23234116/ 23236351



UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110002

विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली - 110 002

All communications should be addressed to the
Secretary by designation and not by name

F.No. 1-18/2012(DC)

Dated:- Dec, 2013

FD Diary No. 1992
Dated 28/11/2013
27 DEC 2013

The Under Secretary (FD-III)
University Grants Commission
Bahadur Shah Zafar Marg
New Delhi – 110002

Sub:- Release of Grants-in-aid to towards General Development Assistance
allocated for XII Plan period .

Sir,

I am directed to convey the sanction of the University Grants commission for payment of grant of **Rs. 32,79,000/- (Rupees Thirty two lakhs seventy nine thousand only)** as Second instalment for the year 2013-14 towards **General Development Assistance for XII Plan Period** to Atma Ram Sanatan Dharama College, Benito Juarez Road, Dhaula Kuan, New Delhi-110 021.

Name of the Item	Allocation for XII Plan Period (Rs.)	Grant now being sanctioned (Rs.)	Grant already sanctioned (Rs.)	Total grant (Rs.)
General Development Assistance	88,85,000/-	32,79,000/-	2,75,000/-	35,54,000/-

Details of SC/ST Components	
General (77.5%) 2 B (31)	Rs.25,41,225/-
SC (15%) 2 D (i) (31)	Rs.4,91,850/-
ST (7.5%) 2 D (ii) (31)	Rs.2,45,925/-
Total	Rs.32,79,000/-

- The sanctioned amount is debitable to General - 2 B (31), SC- 2 D (i) (31) and ST- 2 D (ii) (31) and is valid for payment during the financial year 2013-14 only.
- The amount of the Grant shall be drawn by the Under Secretary (Drawing and Disbursing Officer) UGC on the Grants-in-aid bill and shall be disbursed to and credited to the Principal, Atma Ram Sanatan Dharama College, Benito

Juarez Road, Dhaula Kuan, New Delhi-110 021, through Electronic mode as per the following details:-

A	Details (Name & Address) of Account Holder	Principal, ARSD College, Ring Road, Dhaula Kuan N. D - 110021
B	Account No	91232010 001234
C	Name & address of Bank branch	Syndicate Bank, ARSD College, Ring Road, Dhaula Kuan N. D - 110021
D	MICR code	110025066
E	IFSC Code	SYNB0009123
F	Type of Account	Saving Account

3. The Grant is Subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma submitted by the University / Institutions.
4. The University / Institution shall maintain proper accounts of the expenditure out of the Grants which shall be utilized only on the approved items of expenditure.
5. The University / Institution may follow the General Financial Rules, 2005 and take urgent necessary action to amend their manuals of financial procedures to bring them in conformity with GFRs, 2005 and those don't have their own approved manuals on financial procedures may adopt the provisions of GFRs, 2005 and instructions / guidelines there under from time to time.
6. The Utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to UGC as early as possible after the close of current financial year.
7. The assets acquired wholly or substantially out of University Grants Commission's Grant shall not be disposed or encumbered or utilized for the purposes other than those for which the grants was given without proper sanction of the UGC and should at any time the University ceased to function, such assets shall revert to the University Grants Commission.
8. A Register of Assets acquired wholly or substantially out of the grant shall be maintained by the University in the prescribed proforma.
9. The grantee institution shall ensure the utilization of grants-in-aid for which it is being sanctioned / paid. In case of non-utilization / part utilization thereof, simple interest @ 10% per annum, as amended from time to time on the unutilized amount from the date of drawal to the date of refund as per provisions contained in General Financial Rules of Govt. of India, will be charged.
10. The University / Institutions shall follow strictly the Government of India / UGS's guidelines regarding implementation of the reservation policy [both

- vertical (for SC, ST & OBC) and horizontal (for persons with disability etc.)] in teaching and non-teaching posts.
11. The University / Institution shall fully implement the Official Language Policy of Union Government and comply with the Official Language Act, 1963 and Official Languages (Use for Official Purposes of the Union) Rules, 1976 etc.
 12. The sanction is issued in exercise of the delegation of powers vide UGC Order No. 130/2013 [F.No.10-11/12 (Admn. IA & B)] dated 28/5/2013.
 13. The University / Institution shall strictly follow the UGC Regulations on curbing the menace of Ragging in Higher Education Institutions, 2009.
 14. The University / Institution shall take immediate action for its accreditation by National Assessment & Accreditation Council (NAAC).
 15. The accounts of the University / Institution will be open for audit by the Comptroller & Auditor General of India in accordance with the provisions of General Financial Rules, 2005.
 16. The annual accounts i.e. balance sheet, income and expenditure statement and statement of receipts and payments are to be prepared strictly in accordance with the Uniform Format of Accounting prescribed by Government.
 17. Funds to the extent of _____ are available under the scheme.
 18. This issue with the concurrence of IFD vides Diary No. 3496A (IFD) dated 09/10/2013.
 19. This issues with the approval of Chairman vide Diary No.23945 dated 22/10/2013.

Yours faithfully,

(Mrs.Paramjeet)
Under Secretary

Copy forwarded for information and necessary action for :-

1. ✓ Principal, Atma Ram Sanatan Dharama College, Benito Juarez Road, Dhaula Kuan, New Delhi-110 021,
2. The Director, South campus, University of Delhi, Benito Juarez Road, New Delhi 21.
3. Office of the Director General of Audit, Central Revenues, AGCR Building, I.P. Estate, New Delhi.
4. File No.17-6/2012(DC). This reference no. may please be quote by all in further correspondence on this subject.
5. Guard File


(Shashi Bala Tanwar)
Section Officer