



# **SELF STUDY REPORT**

**FOR**

**2<sup>nd</sup> CYCLE OF ACCREDITATION**

## **ACHARYA NARENDRA DEV COLLEGE**

**ACHARYA NARENDRA DEV COLLEGE, UNIVERSITY OF DELHI, GOVIND  
PURI, KALKAJI, NEW DELHI**

**110019**

**[www.andcollege.du.ac.in](http://www.andcollege.du.ac.in)**

**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**February 2023**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

ANDC, a **constituent college of DU and funded by the Govt. of NCT of Delhi** has come a long way since its inception in a four room semi-permanent structure in the R. K. Puram School in November 1991 with a handful of students. ANDC moved to its current premises in 1992. The College made a humble beginning with two undergraduate courses, B.Com. (H) and B.Sc. (G) Group 'A'. Presently, the college offers **13 undergraduate and 02 postgraduate courses** under the aegis of 09 departments besides offering **Foreign Language courses** and **Add-on-courses**.

From six laboratories in 1994 for four Science courses, the number has increased to **28 well-equipped UG laboratories, 17 state-of-the-art research laboratories**, internet enabled lecture rooms, Girls' Common Room, corridors with ramp facility, fully computerized and air-conditioned library with a reading room, Automated issue/return through RFID enabled 'smart cards', a web facilitation centre with 76 work-stations, playground, sports room, video conferencing and media facility hall.

The **Wi-fi enabled** campus helps students to use online facilities like paying fees, to apply for all scholarships, avail library services, track attendance and internal assessment, read e-notices, e-content, submit examination forms, access various society and project reports and surveys, register with the Placement Cell; fill choices for the optional courses.

ANDC is gradually becoming a flourishing research centre with doctoral and post-doctoral research. The College currently has **33 students pursuing their Ph.D. and Post-doc** under the supervision of **17 faculty members** while **17** students have been awarded Ph.D. degrees. Postgraduate students of various esteemed Universities and also school students do their internship mentored by ANDC faculty. The College has created an '*Anusandhan Kosh*' for providing financial support to students for travelling to conferences, for maintenance of laboratories and for providing fellowships to students who run out of grants.

Some accolades include:

**All India Rank 18 amongst Colleges** by the National Institutional Ranking Framework (NIRF)

The college has an **Institutional Grade of A+ from NAAC**.

The college has been granted the **Star College Status** by the **DBT, Govt. of India**.

**Award of Good Practices by University of Delhi**.

**Business Incubator – ANDC inStart Foundation** powered by **GNCTD**.

### Vision

Acharya Narendra Dev College has the vision of creating an education and research-oriented hub of eminence in India with international standards. We envisage proffering quality education to our students while emboldening them with diverse exposure and hands-on research experience. We adhere to the ideology of 'Preparing for the future' by exploring and innovating 'Beyond the classroom'.

The college believes in a culture of interactive teaching-learning and in the creation of spaces affecting the undergraduate life of the students. This approach envisions the gestation of many new activities besides creating an 'open' space in the college for students to pursue activities as per their choice and inclination. As a firm believer in the all round development of young learners, ANDC has always espoused the need to expose students to activities other than pure academics and has the vision of opening several new vistas in the future. The college envisages to identify with the initiative to provide a platform where scientists from across the world can collaborate and collectively endeavour to address the major issues plaguing the world.

The college has a strong belief that education is a form of wholesome learning that cannot be confined within the four walls of a classroom. Therefore, it is imperative to provide an enabling environment for the all-round development of its students. To identify and promote students' non-scholastic skills, they are encouraged to participate in various co-curricular and extra-curricular activities.

ANDC believes in ensuring equality and equal opportunity for the differently-abled and deprived sections in the college. This entails the effective implementation of policies and programmes for the marginalized sections and ensures sensitization amongst all stakeholders in the college. The college feels proud in having made a positive contribution towards helping them grow as responsible citizens.

## Mission

To **empower students** by giving them exposure to cutting-edge areas of education and research by promoting interdisciplinary studies beyond regular textbook learning.

To **impart functional knowledge** which not only motivates students towards academic excellence but also prepares them for giving back to society in economic, social, cultural and intellectual dimensions.

To **generate ideas** that will benefit society, and to educate and train people to work in fields where they will be valued both for their ability to work in collaborative spaces using their specialized knowledge, and for their ability to pursue research, communicate and solve real-life problems.

To **remain competitive** and relevant in an international sense by offering high quality academic programmes and research activities focusing on niche areas.

To **encourage skilled manpower** training by producing more high-quality researchers, entrepreneurs and graduates to ensure that the country reaps the returns from its investments in higher education and in turn help in the economic growth of the country.

To **promote self-employment** and develop high quality **entrepreneurship skills**.

To **promote the culture of hands-on training** and **acquisition of skill-sets** amongst undergraduate students.

To **provide inclusive education** to empower the students.

To **broaden the academic base** for the understanding of contemporary issues of real life by developing analytical skills.

To **achieve an enhanced sense** of social and personal responsibility.

To **develop the ability** to work in a diverse group and help students to acquire time management skills.

To **equip students** with various digital /technical tools for information searching.

To **foster leadership qualities** and turning students into auto-learners.

## 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

### Institutional Strength

At ANDC, the regular teaching-learning process goes **beyond the classroom** by igniting minds of UG students through research on advanced topics.

Academic vigour of the faculty members is promoted through two existing centralized instrumentation facilities for physical and life sciences besides a dedicated research wing having state-of-the-art research grade equipment. It has helped **22** faculty members get promoted as Professors and **17** faculty members get recognized for research supervision. Currently, these faculty members are guiding **33** Ph.D. scholars. On an average, the faculty members have an average of **42** publications per year in international/national journals of repute.

The College has instituted *Anusandhan Kosh* and **Research Contingency Grant** for promotion of research.

The College has a Govt. of NCT of Delhi funded **business incubator** as a section 8 company, ANDC inStart Foundation (AIF). AIF has thus far inducted **sixteen (16)** start-ups (from 71 start-up proposals) including **six (06)** from alumni of the college.

In all purchases, the college strictly follows **GFR 2017** and GeM notifications.

To promote one online course per semester for credit transfer, a local chapter of **NPTEL-SWAYAM** has been established with registration of more than 500 students and faculty.

The College has created **virtual labs** for conducting experiments remotely.

The campus is under **CCTV surveillance** with a sprawling playground and **Wi-Fi** connectivity. Rooftop solar panels help generate renewable energy that supplement regular electrical grid power.

The **RFID enabled library** has 33000 odd book titles. Option to search books is OPAC enabled.

Many environment friendly initiatives including use of digital notice boards, using both sides of printing paper, recycling of waste paper by NGO, rainwater harvesting and e-waste collection have been adopted.

The college also serves as a centre for holding exams for Indira Gandhi National Open University (IGNOU)

and School of Open Learning (SOL). In addition to this, on June 08, 2021, the college was designated as a Learner Support Centre for IGNOU's Master of Commerce, Master of Arts (Hindi) and Bachelor in Science (General) programmes.

ANDC offers self-financed one-year part time certificate, diploma and advanced diploma courses in French, German, Spanish and Russian, recognised by the University of Delhi.

Committed to providing **equal opportunities** to all its stakeholders, the college has ensured a disabled-friendly campus.

The Skill Development Centres of ANDC such as **Mushroom Research, Sericulture** and **Zebrafish Culture** Facility allow inculcation of vocational skills in the curriculum.

**ANDC's Placement Cell** provides placement and career guidance to students.

Number of fellowships like **ELITE, EXPLORE, SAKSHAM** for students.

The College follows all DoPT/UGC/GNCTD/DU notifications in true spirit.

### **Institutional Weakness**

Lack of a large-capacity auditorium is often a concern while planning for national/international seminars and conferences. It is a challenge to balance the increasing co-curricular and administrative responsibilities, along with mandatory academic commitments due to space constraints.

Most of our students come from outside of Delhi, and are forced to look for Paying Guest Accommodation in the vicinity of the college in the absence of hostel facilities. For their safety and security, hostel accommodation is a must, especially for girl students.

Though the College is located in Delhi, but the surroundings of the College are not clean.

The College is still awaiting the sanction of both teaching and non teaching posts from GNCTD.

The lack of space is one of the constraints which hinders us to provide project area, discussion area, UG research labs to students.

### **Institutional Opportunity**

**National Education Policy-2020** focusses on holistic development of students and the College provides all avenues to its students for their overall growth.

**Career Counseling and Placement Cell** of ANDC regularly organizes counseling sessions and internship programmes. Every year, reputed companies like EY, GDS Assurance, Concentrix Daksh, Wipro and LIBSYS come for placement drives and many students get selected.

The e lab provides entrepreneurship opportunities to the students.

The college encourages **multidisciplinary/interdisciplinary** research amongst its nine departments. An example is 'Science *Adda*' wherein school students were introduced to advanced experiments covering all the basic sciences. An outreach programme for school students, "ECOVILLE" was organized as part of the E-conference that invited submission of avant-garde research projects, video presentations and paper presentations. Multidisciplinary projects are carried out under the ELITE Scheme during May to June each year. Think lab is an explorative Science society (run by students) started in association with 'Collaborative Undergraduate Biology Education (CUBE), Homi Bhabha Centre for Science Education, TIFR.

Between 2017 to 2022, ANDC has signed **MoUs** with eminent institutions like THSTI, PhiXgen Pvt. Ltd., Open Health Systems Laboratory, USA to establish an International Bacteriophage Research Consortium; Azim Premji University, Creative Commons Global Network, Entrepreneurship Cell School of Open Learning DU and Auburn University, USA, for furthering research culture among undergraduate students; and Monster.com India Pvt. Ltd. for providing employment opportunities and preparing the students for the job market.

In the period between 2017-22, approximately 250 workshops, conferences, symposia, talks, seminars and webinars were organized by ANDC for skill enrichment of the faculty members and students.

The college started the '**Quality Control (QC) Chemist**' course in 2017, aimed at training candidates for the job of a quality control chemist, in the Life Sciences sector/industry. The students complete their course work and do a one-month internship at various pharmaceutical companies viz., Belco Pharma, Unichem Laboratories, Federation of Pharma Entrepreneurs and Jubilant Chemsys Limited.

**Skill Hub @ ANDC** comprises Sericulture, Mushroom Research and Skill Development Centre, and Zebrafish Culture Facility besides offering 'Web Developer Course'.

ANDC offers DU recognized **certificate, diploma and advanced diploma** courses in French, German, Spanish and Russian.

## **Institutional Challenge**

College building - At the time of its inception, Acharya Narendra Dev College started operating from a government school building in R. K. Puram and shifted to its present premises in Govindpuri in 1992. Lack of a permanent college building is one of our biggest challenges. Besides creating a scarcity of space for classrooms and research laboratories, this has hampered the plans of starting new courses in the college. Over the years, the number of students enrolling in the different courses run by the college has increased but the infrastructure facilities available on campus have not kept pace with the rising number of students.

Lack of hostel facilities - Since the college is housed in a temporary building, it is unable to provide on campus accommodation to its students. A large majority of the students at ANDC are outstation students and in the absence of hostel facilities, they are forced to look for paying guest accommodations in the vicinity of the college.

Delay in permanent appointments - The student-teacher ratio is affected because of the delay in permanent appointments. This, in turn, has affected the efficacy of the teaching-learning process.

## 1.3 CRITERIA WISE SUMMARY

### Curricular Aspects

The academic calendar of the college is decided at the beginning of the session and all the activities are listed in the College Prospectus (<https://www.andcollege.du.ac.in/admission/prospectus>).

The curriculum for undergraduate courses is designed by the University of Delhi with the inputs and support of the teachers from the constituent colleges. Our college teachers, across all the departments, get involved in curriculum development committees of different courses.

At the college level, the academic programmes are implemented as prescribed by the University. However, the college continuously makes efforts for value addition to these programmes in a variety of novel ways so as to provide a holistic education which can meet the needs of an individual as well as the society.

The successive implementation of the curriculum is strengthened by the analysis of internal assessment and semester exam results, and regular meetings of the students with the mentors and the Principal.

**Continuous Internal Evaluation (CIE)** of students is interwoven within the timetable. Internal Assessment (IA) comprises **practical discussions, periodic assessments, class-tests, student presentations, quizzes, assignments and projects**. It includes innovative assessment beyond the curriculum through research projects, report writing and presentations for holistic evaluation.

Within the prescribed Academic Calendar of the University, ANDC weaves in other annual activities – AND Memorial Lecture, Orientation Day, Annual Day, **departmental events** like seminars, workshops, **co-curricular** and **extra-curricular** activities, and **outreach programmes**.

Co-curricular activities are mandatory and each student is expected to join atleast 2 societies.

The faculty members, while engaged in curriculum delivery, are also encouraged to participate in FDPs.

Concrete suggestions and the modalities are discussed with **IQAC** and the **Governing Body**.

### Teaching-learning and Evaluation

The college admission process begins with **Open Day** wherein introductory sessions are held for prospective students.

The college organizes the **Orientation Day** for freshers wherein they are familiarized with many aspects of College life such as attendance rules, internal assessment criteria, Add-on Courses, co-curricular and extracurricular activities, Grievance Cell, Students' Council, etc.

The college holds **workshops** for the first year students of each course to impart basic computer skills.

Various schemes/centres/clubs viz., **ELITE** – 'Education in a Lively, Innovative Training Environment' Summer Fellowship, **SPIE** (Society of Photo-optical Instrumentation Engineers) Student Chapter, USA, **TH!NK Lab** and **Virtual labs** (in collaboration with IIT Delhi), research projects and hands-on

workshops under **DBT Star College Scheme** offer many opportunities to students to enhance their learning.

Through **SAKSHAM** (Student Aid for Knowledge, Success, Honour and Motivation ), the college supports students from economically weaker sections.

The **EXPLORE** (Excursions for Peer Learning in an Open and Rejuvenating Environment) programme for second year students of the college allows them to undertake excursions, educational tours or field trips.

Course-wise, Room-wise, Lab-wise and Teacher-wise **timetables** are prepared by the Workload and Time Table Committee and are displayed on the college website.

Learning is made student-centric by holding **discussion** sessions, **presentations, projects, class tests/open book tests, lectures/interaction** with eminent experts.

All class rooms have **LCD Projectors**. The College **issues laptops** to the needy students.

Besides the usual chalk and talk mode of teaching, the college adopts various other methods which include use of **virtual laboratories, e-learning, open educational resources**, etc., to facilitate effective teaching-learning.

The evaluation process set up by the University is displayed on the college website and is updated from time to time. The College has an **Internal Assessment Committee** too.

The identification of learning barriers for the students is done continuously through **evaluation, mentoring and counseling**.

The College confers **academic awards** to meritorious students.

The measures have resulted in the college being crowned with astounding achievements. It has been listed among the top **10 Science colleges** in Delhi by the India Today Survey since 2010 and **ranked 18 by NIRF** in 2022.

### **Research, Innovations and Extension**

As mandated in NEP, ANDC's greatest strength is the volume of genuine and exciting research carried out by its faculty. The college has seamlessly integrated teaching and research. The quality of research work done by the faculty is authenticated by the number of **publications in peer reviewed national/international journals**. The faculty and students have a long list of oral and poster presentations for which they have **bagged many accolades**.

To bring research into the classroom, active participation of students in various projects is promoted. Consequently, a number of **research papers** have been co-authored by **undergraduate students** also.

The college has **17** state-of-the-art research laboratories and **28** laboratories for undergraduate teaching. During 1998-2022, **30** research projects (including DU innovation projects) were carried out by the faculty, **11** of which have been undertaken in the last five years.

**Seventeen** faculty members have been recognized as Ph.D. supervisor/co-supervisor by the University of



Delhi.

To promote undergraduate research, the college has institutionalized the **ELITE** summer fellowship which provides a monthly scholarship of Rs.1000/- for up to two months for each student and a grant of Rs. 10,000/- to each department. In addition, **SPIE (USA)** and small research projects under **DBT Star College Scheme** also encourage students to perform scientific research.

The College has an **Institutional Biosafety Committee** in place.

The College has developed **Mushroom Research Centre, Zebrafish Culture facility, Sericulture centre, IT labs and Robotics lab** to provide flavor of research to the students.

**Entrepreneurship Cell, Business Incubator** and **Virtual labs** are a few of the exemplary innovations of the College.

The College faculty shares its expertise with other institutions and the industry in the form of consultancy. Under the **Paramarsh Scheme**, the college mentored six institutions towards attaining NAAC accreditation. Under **Unnat Bharat Abhiyan**, ANDC adopted five villages and carried out community outreach programmes.

The College has organized various outreach activities like **Science Adda, Ecoville** and **Bani (HP) camps** for school students.

ANDC works with many NGOs for the development of the underprivileged and weaker sections of society through its NSS unit.

Blood donation camps, health check-up camps and self-defense training programmes for girls are organised annually.

### **Infrastructure and Learning Resources**

The College has created a good infrastructure to promote **extra-curricular and extension activities** in addition to teaching-learning activities.

All classrooms and laboratories have multimedia equipment to supplement teaching/learning.

The labs have the latest equipment to meet all requirements of teaching/research. There are 17 research labs where available resources are optimally utilised.

The campus has **Wi-Fi** facility available 24 hours at the speed of 100Mbps. ANDC has National Knowledge Network (NKN) powered internet connectivity with the speed of 100Mbps.

ANDC has fully air-conditioned **Conference Room, Seminar Room** and **IQAC room**.

The fully-computerized and RFID enabled library has a collection of over 33,000 volumes covering all the discipline courses, besides providing for good general reading. The college subscribes to several reputed journals and periodicals. The services provided by **INFLIB-NET** and **DU library system** help provide on-line

access to hundreds of journals. The **book exhibition** is an annual feature, providing an opportunity to procure books for the library and personal use.

Besides **5** computer labs with **123** computers exclusively devoted to teaching, a centralized WFC with **76** terminals with wired internet connectivity is available. All computer labs are air-conditioned.

A special feature of ICT in ANDC is the use of **Free and Open Source Software**, leading to more learning in an open paradigm and a lot of saving in procurement and upgradation of software.

A hygienic **canteen** made of bamboo offering food at **subsidized rates, photocopying facility and stationery shop, Girls' Common Room, mini-gym**, and space for indoor and outdoor games are spaces with huge footfalls. Each department has air conditioned staff room.

The College has a separate block to house the **electric sub-station** housing a H.T. transformer. ANDC also has a back-up of **two 125KW generators** that provide adequate back-up to all classes and laboratories including the research laboratories.

ANDC has dedicated staff including the **Caretaker, Electrician, Plumber** and **support staff** who work round the clock to carry out instant repairs.

At the time of Covid-19 pandemic, **Microsoft teams and Google Classrooms** were efficiently utilized by Faculty and students for online learning and assessment.

### **Student Support and Progression**

The College reaches out to its students by providing the latest information about the facilities, opportunities and welfare schemes through a variety of channels.

The **course fee** of the college is one of the lowest in DU.

ANDC has created a **Student Aid Fund, SAKSHAM** to provide various kinds of economic aid to the needy and meritorious students. The financial assistance is supplemented with books, stationery and fee waivers.

The College acknowledges merit and excellence of its students by conferring several **awards and merit scholarships** to the students.

The College lays special emphasis on skill development and personality development through its student specific schemes like **ELITE, EXPLORE, Entrepreneurship cell, Business Incubator, Theatre-based learning and Add-on courses**. The students get full support of the institution in promotion of extra-curricular and co-curricular activities at many levels.

The **Career Counseling and Placement Cell** of the college has a full time placement officer.

The college has many committees concerned with student welfare, viz., **Grievance Committee** (to redress students' grievances), **IA Committee** (to resolve issues related to Internal Assessment), **Proctorial and Anti-Ragging Committee** (to ensure maintenance of discipline), **Admission Grievance Committee** (to deal with admission-related issues), **Internal Complaints**

**Committee** (to address grievances of female students and staff members), **Equal Opportunity Cell** (to assist the PwBD students in all aspects) and **North-East Cell** (to resolve issues of students from the North-east states of India).

The college has appointed **Counsellor** for the students.

**NSS and Eco-Club** students' volunteers work tirelessly towards inculcating a sense of responsibility and service towards the Nation and society. The **Theatre Society** of the College offers students with many avenues for displaying their talents including histrionics, stage presentation, image building and control over language. It also helps students overcome stage fright and stammering issues.

An **Alumni Association** is in place to reach out to former students for institutional and academic development of the college.

The student specific welfare schemes have reaped rich dividends in the form of excellent academic performance, improvement in sports at competitive levels and student progression to higher education and employment.

In fact, the college has become a hotbed of students' participation in Research, sports, cultural and extra-curricular activities at the university, state, national and even at international level.

The Students' Council of the College indulges in various student related activities and promotes democratic functioning of the institution.

### **Governance, Leadership and Management**

The top management body is a **Governing body** comprising of 15 members from diverse fields appointed by the University and the GNCT of Delhi. This forms a collective democratic leadership which formulates policies, programmes and strategies for the furtherance of its stated objectives and welfare of students, teachers and staff.

The College works towards its goals of achieving academic excellence under the leadership of the **Principal** who works in association with the Staff Council and its Committees. The **Staff Council** is a body which includes all the faculty members and is presided over by the Principal. The committees constituted in the Staff Council follow the mandate of the collective in carrying out key functions of the college like admissions, maintenance of discipline, examinations, college development, welfare of students and staff, and organization of various events. There is ample opportunity to groom leadership among faculty as well as students through the activities of these committees.

ANDC follows the financial rules, regulations and guidelines under **GFR 2017** and undertakes **internal** and **external financial audits** regularly.

The College maintains its annual fee structure to the minimum for the benefit of each student. The fee collected is utilized for **student-centric development** activities and facilities such as library services, sports facilities, laboratories and IT infrastructure, workshops/seminars, guest lectures, educational field trips, national and international conferences.

Recent resolutions of the Governing Body have greatly facilitated the **entrepreneurship and skill development programmes** in the college. At present, the quality improvement strategies include various innovations in the teaching-learning process and promotion of research.

The college provides opportunities for training, support for attending conferences and provisions of study leave. The staff is entitled to avail all welfare schemes provided by the government and the college ensures they are available accordingly.

The college is **100% funded by GNCT of Delhi**. It adheres to rules of financial management strictly as provided by laws and regulations formulated from time to time.

The **IQAC** of the college aids the college in its pursuit of maintaining high standards in academics and in furtherance of its stated vision of providing holistic education.

### **Institutional Values and Best Practices**

The College believes that **research** is a necessary component of the academic life of an institution. NEP also endorses the importance of research. Many research labs have been established by generous financial assistance from various government organizations like CSIR, UGC, DBT, ICMR, DU, etc. They host various research projects carried out by the faculty in the frontier areas of Science. The undergraduate students are encouraged to participate in these research programmes. A testament to the success of ANDC's research programme is the huge basket of **research publications** by its faculty and students. The students are made aware of the novel research techniques through various workshops and training programmes organized in the college. The college has established *Anusandhan Kosh* and **Research Contingency Grant** to promote research.

The college has adopted various innovative mechanisms for the welfare of its students. These include measures for their personality development, skill development, and technological know-how to make them ready for a successful public and professional life. The college makes every effort to provide financial assistance to the needy students from its own resources as well as from different philanthropic schemes. **Entrepreneurship cell, Udgam and Business Incubator** are the spaces created by the College to enable students to become **Job providers instead of Job seekers**.

The college is sensitive to the environmental concerns on its campus and its surroundings. Its activities aim not only to maintain a clean environment in the college but also to sensitize its community about conservation and sustainability of the environment. These efforts are spearheaded by the **eco-club** of the college (*Paritantra*). The college administration too has institutionalized healthy practices which promote less usage of paper, electricity, water and an eco-friendly infrastructure. Further, the College has a biological waste disposal mechanism which ensures that the biological waste is collected from the College & disposed properly by our service provider.

A special emphasis is to provide the **differently-abled students** an enabling environment.

The college provides the facility of counselling to the students twice a week. Students can avail this facility and interact with the counsellor with prior appointment. College engages services of a **Medical Consultant** in the College premises for the well-being of the students as well as staff members.

The College offers assistance to students in the form of initiatives including **SAKSHAM** (assistance for needy

students), **EXPLORE** (excursions for students) and **ELITE** (summer fellowships for research).

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	ACHARYA NARENDRA DEV COLLEGE
Address	ACHARYA NARENDRA DEV COLLEGE, UNIVERSITY OF DELHI, GOVIND PURI, KALKAJI, NEW DELHI
City	New Delhi
State	Delhi
Pin	110019
Website	<a href="http://www.andcollege.du.ac.in">www.andcollege.du.ac.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Ravi Toteja	011-26294540	9811675982	-	principal@andc.du.ac.in
IQAC / CIQA coordinator	Sada Nand Prasad	011-26294540	9711969937	-	sadanandprasad@andc.du.ac.in

Status of the Institution	
Institution Status	Constituent

Type of Institution	
By Gender	Co-education
By Shift	Regular Day

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
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State	University name	Document
Delhi	University of Delhi	<a href="#">View Document</a>

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	01-12-1994	<a href="#">View Document</a>
12B of UGC	01-12-1994	<a href="#">View Document</a>

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
No contents				

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	Yes
If yes, name of the agency	National Institute Ranking Framework NAAC Star Status by DBT
Date of recognition	15-07-2022

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	ACHARYA NARENDRA DEV COLLEGE, UNIVERSITY OF DELHI, GOVIND PURI, KALKAJI, NEW DELHI	Urban	7.043	28502.96

## 2.2 ACADEMIC INFORMATION

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BSc,Biomedical Science	36	Class XII	English	63	63
UG	BSc,Botany	36	Class XII	English	63	63
UG	BSc,Chemistry	36	Class XII	English	63	38
UG	BCom,Commerce	36	Class XII	English	125	125
UG	BSc,Computer Science	36	Class XII	English	63	63
UG	BSc,Electronics	36	Class XII	English	63	42
UG	BSc,Mathematics	36	Class XII	English	63	63
UG	BSc,Physics	36	Class XII	English	63	62
UG	BSc,Zoology	36	Class XII	English	63	59
UG	BSc,Life Sciences	36	Class XII	English	56	56
UG	BSc,Physical Sciences With Chemistry	36	Class XII	English	56	50
UG	BSc,Physical Sciences With Computer Science	36	Class XII	English	56	53
UG	BSc,Physical Sciences With Electronics	36	Class XII	English	56	48



PG	MSc,Chemistry	24	Bachelor of Science	English	34	3
PG	MSc,Mathematics	24	Bachelor of Science	English	34	6

**Position Details of Faculty & Staff in the College**

<b>Teaching Faculty</b>												
	<b>Professor</b>				<b>Associate Professor</b>				<b>Assistant Professor</b>			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				129			
Recruited	0	0	0	0	0	0	0	0	56	73	0	129
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				43
Recruited	31	4	0	35
Yet to Recruit				8
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				103
Recruited	44	4	0	48
Yet to Recruit				55
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

### Qualification Details of the Teaching Staff

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	9	13	0	10	26	0	0	0	0	58
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	2	7	0	1	0	0	10
UG	0	0	0	0	0	0	0	0	0	0

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	1	0	1
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

<b>Part Time Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	21	16	0	37
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	10	13	0	23
UG	0	0	0	0	0	0	0	0	0	0

<b>Details of Visting/Guest Faculties</b>				
<b>Number of Visiting/Guest Faculty engaged with the college?</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
		96	158	0

**Provide the Following Details of Students Enrolled in the College During the Current Academic Year**

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	324	1089	0	7	1420
	Female	197	580	0	1	778
	Others	0	0	0	0	0
PG	Male	3	10	0	0	13
	Female	0	7	0	0	7
	Others	0	0	0	0	0
Diploma	Male	9	7	0	0	16
	Female	12	9	0	0	21
	Others	0	0	0	0	0
Certificate / Awareness	Male	10	14	0	0	24
	Female	18	15	0	0	33
	Others	0	0	0	0	0

<b>Provide the Following Details of Students admitted to the College During the last four Academic Years</b>					
<b>Category</b>		<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>
SC	Male	84	47	61	102
	Female	27	22	36	26
	Others	0	0	0	0
ST	Male	19	17	23	43
	Female	11	7	10	13
	Others	0	0	0	0
OBC	Male	145	117	148	181
	Female	59	48	60	95
	Others	0	0	0	0
General	Male	229	155	237	231
	Female	159	119	124	196
	Others	0	0	0	0
Others	Male	33	30	17	36
	Female	10	12	9	16
	Others	0	0	0	0
Total		776	574	725	939

### **Institutional preparedness for NEP**

1. Multidisciplinary/interdisciplinary:	<p>In all of its projects, ANDC follows a multidisciplinary approach espoused by the National Education Policy 2020 as notified by the Government of India. The college's faculty from various departments works aggressively to create, restructure, and improve the Undergraduate Curriculum Framework (UGCF) and uses a method that draws from a number of disciplines in order to meet the aims of the NEP. All students in the College are assigned a mentor (faculty) throughout their stay in college who guides them on every aspect, including choice of interdisciplinary subjects that are envisioned to bolster their individual careers depending on the students' individual capacities /</p>
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preferences. There are 9 departments and 13 courses in the college that work together to create opportunities for cooperation amongst different fields of study. These include the mathematical, physical, biological and chemical sciences as well as the commerce department. The college offers numerous opportunities for its students to participate in UG research like the ELITE Scheme, DBT Star College Scheme, SPIE, E lab etc. The College regularly organises seminars and symposia, workshops to encourage interdisciplinary culture among the students. There is a dedicated research wing in the college besides research laboratories that augment students' analytical skills, self-confidence, time management, team work and communication skills as a result of hands-on experience in their chosen field of research. Another case that highlights the College's multidisciplinary approach is the focus on outreach activities involving school students via initiatives like Science Adda and Ecoville. The college has established skill development centres for sericulture, mushroom culture, aquaculture (Zebrafish lab). Besides, there are computer labs to train students in various IT related skill enhancement courses. ANDC intends to better connect itself with the aims of NEP, which includes strengthening the best practices in multidisciplinary collaborations indicated above. The College offers a plethora of Skill enhancement courses, Value added courses, Generic elective courses and Ability enhancement courses. The college has been recommended as a cluster college for teaching Urdu to UG students by DU. The college offers different modern Indian languages as per the mandate of NEP.

2. Academic bank of credits (ABC):

The Academic Bank of Credits (ABC) is a virtual mechanism that will deal with the credits earned by students of Higher Education Institutes in India and which are recognised by the University Grants Commission (UGC). It will enable students to open their accounts and give multiple options for entering and leaving colleges or universities. There will be "multiple exits" and "multiple entries" points during the higher education tenure and credits will be transferred through the ABC seamlessly. Acharya Narendra Dev College, being a constituent college of the University of Delhi, is committed to adhere to the protocols and regulations of Academic Bank of

	<p>Credits as mandated by the University of Delhi. These include the following objectives: - To promote student-centric education - Focus on learner-friendly teaching approaches - Implement an interdisciplinary approach - Allow students to learn the best courses of their interest - Enable students to learn at their own pace.</p>
<p>3. Skill development:</p>	<p>The college offers several opportunities to the students for skill development. The Skill Development Centres (SDCs) of the college such as Mushroom Research and Skill Development Centre (MRSDC), Aquaculture (Zebrafish Culture Facility), Sericulture, Computer Labs for IT Skills, Entrepreneurship lab and Business Incubator allow inculcation of vocational skills in the curriculum. Additionally, the Skill Hub @ ANDC has been selected as a Training Provider for 'Web Developer Course'. Besides these, the College has the following labs which help our students augment their skill sets:</p> <ul style="list-style-type: none"> <li>- Artificial Intelligence Lab - Internet of Things (IoT) Lab - Modern Communication Systems Lab - Mobile Application Development Lab - Control Systems Lab - 3D Printing and Designing Lab</li> </ul> <p>ANDC has developed a strong culture of skill development as witnessed by workshops organized on the following topics: - Microbial Techniques - FOSS and Linux - Machine Learning using Python - Fraud, Forgery and Forensics: Examining Handwriting, Fingerprinting and Security documents - Computational biology for (meta) genomic analysis - Learning R programming Skills and Applications to Proteomics - Optical Colour Mixing - Hybrid Mobile App Development using Flutter programming - Hands-on training for skill development - Advanced Bioinformatics - Full Stack Web Development Using Mern - Holography - Arduino and Sensor Interfacing Workshop - ELISA Technique - Usage of google conferencing tools - Raspberry Pi automation system - Surface Plasmon Resonance (SPR) and UV-Visible Spectroscopy</p> <p>The college has organised a number of RBPT (Research Based Pedagogical Training) workshops for students. In keeping with the curriculum proposed by NEP 2020, the college plans to float the following Skill Enhancement Courses (SEC) from the 2022 - 23 academic session: - Public Speaking in English Language and Leadership - Prospecting E-Waste for Sustainability - Programming with Python - Personal</p>

	Financial Planning - Basic IT Tools - Introduction to Cloud Computing - Statistics with 'R' - Essentials of Python - Sustainable Ecotourism - Communication in Everyday Life - Communication in Professional Life.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	The importance of familiarizing and inculcating Indian knowledge systems is proposed to be actualized through certain Value Added Courses such as 'Fit India', 'Yoga – Philosophy and Practice', 'Culture and Communication', 'Ecology and Literature' and 'Reading Indian Fiction in English'. These courses will include a close reading of texts belonging to the temporal and spatial areas of Indian history that hold relevance in terms of ideologies concerning Indian cultural heritage, the legacy of our past and needs of the contemporary society, to adapt, interact and celebrate our diverse and pluralistic culture. With the aim to preserve our linguistic heritage, the College offers courses in Hindi, Sanskrit and Urdu languages, as prescribed in the UGCF. The website of the college is in English as well as in Hindi. The college magazine has articles both in Hindi as well as in English.
5. Focus on Outcome based education (OBE):	ANDC proposes to impart outcome-based education through the Skill Enhancement Courses (SEC), Value Added Courses (VACs) and Foreign Language Courses. These courses aim at providing life skills as well as technical and professional skills to students for their holistic education. The Titles & Learning Outcomes of SEC papers are: • Communication in Everyday Life – To enhance social communication skills, foster social understanding and develop an independent perspective. • Communication in Professional Life – To enhance professional communication of students like presentation and negotiation skills and make them ready for the workplace. • Public Speaking in English Language and Leadership – To enable students to learn effective communication through public speaking and to instil in them leadership skills. • Essentials of Python – To understand basics of programming using Python and develop, document and debug modular python programs. • Personal Financial Planning – To know the relevance of financial planning, understand the concept of investment planning and its methods, tax planning and other methods of managing personal finances. • Prospecting E-waste for Sustainability – To analyse environmental impacts of e-waste and



	<p>practice sustainable management of e-waste at the national/international level. • Statistics with 'R' – To perform basic statistical operations and create standard and customized graphics. • Sustainable Ecotourism and Entrepreneurship –To develop ecological knowledge for wealth generation, environmental conservation and popularization of the Indian traditional knowledge systems among students. • Basic IT Tools – To use word processors to generate documents with appropriate formatting, layout, review and referencing. • Introduction to Cloud Computing – To help students to understand the core AWS services including compute, network, databases and storage. In keeping with the college's focus on interdisciplinary studies, the following Value Added Courses (VACs) will be offered from the 2022-23 academic session: (i) Fit India – • Students will be able to adopt a healthy lifestyle. • It will promote self-discipline, self-confidence, cooperation and teamwork. (ii) Yoga – Philosophy and Practice • Understanding ways to harmonize the body and mind through yoga. • To navigate life with a holistic approach. (iii) Culture and Communication • Students will be able to know the traditional values disseminated from Indian cultural heritage and understand the interconnections between the legacy of our past and needs of our contemporary society. (iv) Ecology and Literature • Students will be made aware of the impending environmental and ecological crisis and the need for reducing carbon footprint upon the fast depleting, ravaged ecological reserves. • A heightened ecological consciousness among students, leading to more responsible ecological behaviour will be developed. (v) Reading Indian Fiction in English • Students will be acquainted with the Indian ethos and values through Indian Fiction in English. • Students will be able to analyse novels critically in the context of lived situations. Foreign Language Courses- The college offers one-year part time certificate, diploma and advanced diploma courses in French, German, Spanish and Russian which are recognized by the University of Delhi.</p>
6. Distance education/online education:	<p>ANDC adopted modern technologies for online education during the COVID-19 pandemic. The college already boasts of state-of-the-art technology for use in seminar rooms and conferences, including projectors, screens, and audio/video conferencing</p>

systems, allowing for seamless online participation in webinars and hybrid meetings. For live demonstration of experiments, the college procured a GoPro camera (HERO 10 black model) which allowed the Science Departments of the college to perform live experiments and record/transmit to students staying in remote locations. Many experiments were conducted and demonstrated to students using virtual labs. These measures served the purpose of preparing the college for imparting distance /online education. The faculty members and students possess individual login credentials to gain access to the library's N-LIST and INFLIBNET electronic resources along with the Delhi University Library System (DULS) library catalogue which allows access to articles and books across the institution. A testament to the college's preparedness to offer distance/online education is the various webinars organized by the college during the COVID19 pandemic. The college also uploaded educational resources on its website for students during this stressful time. Moreover, the college held online classes on Google Classrooms or Microsoft teams. The College has also procured ZOOM for holding online meetings. The College has been a teaching learning centre for IGNOU and SOL (School of Open Learning) DU.

### **Institutional Initiatives for Electoral Literacy**

1. Whether Electoral Literacy Club (ELC) has been set up in the College?

At ANDC, the envisioned aims and activities of Electoral Literacy Club are decentralised and equally distributed amongst the Debating Society (TARK), Proctorial Committee and National Service Scheme (NSS). This allows all committees to function independently of one another without any turf incursion between one another while working for the greater good of spreading awareness. While NSS is singularly focused on spreading electoral awareness amongst other activities, TARK has the onus of organizing debates on the electoral process prevalent in the largest democracy in the world. The Proctorial Committee under its own steam is directly involved in holding the Student Union election process year on year. Besides ensuring free and fair elections,

	Proctorial Committee is also directly involved in guaranteeing proper representation during campaigning.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	All the three societies that constitute the ELC at ANDC – TARK, Proctorial Committee and NSS have ample student representation. TARK conducts auditions at the beginning of every academic session for the students of the college to induct new members. It regularly organizes workshops, debating competitions and practice sessions on current topics relevant to the country and society. Some workshops and debating competitions organized by TARK with the aim of promoting electoral literacy among students are: - On February 3, 2018, the session on parliamentary debate conducted by Ms. Priyanka Dasgupta. - Workshop on parliamentary debate on October 4, 2018 by Mr. Aadarsh Shukla, a renowned journalist of AAJ TAK. - Workshop on January 7, 2019 on Model United Nations (MUN) by Mr. Shubhit Gulati, a famous food blogger and expert MUNer. - On 12 February, 2020 TARK organised a turncoat debate on Fundamental Duties. - A workshop on Parliamentary Debate was held on January 27, 2021 for the students.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	On the Orientation Day itself, the newly admitted students are provided information about the existence of Students' Council and the names of the official positions. The same details are also mentioned in the College Prospectus that is freely downloadable from the College website. During the student union electoral process, the Proctorial Committee plays a pivotal role. It constitutes an Election Committee to ensure that the elections are held in a fair manner. Notices are posted on various noticeboards across the college for informing the students about the date, venue and eligibility criteria for the student union elections. The Election Committee also facilitates campaigning by the students during these elections. The Committee also undertakes the herculean task of conducting these elections, counting the votes and announcing the winners of these elections.
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in	The NSS unit of the college organises many social media campaigns with an aim to make people realise their responsibility in the democratic set-up of the country, state and municipality. These campaigns place a special emphasis on how important it is for

<p>electoral processes, etc.</p>	<p>the members of the general populace to cast their votes and to elect a strong government which is instrumental in the development at the local and national level. Every year, on January 25, the college observes Voter's Day which is marked with a flurry of activity related to the electoral process. On this day, ANDC students take the Voter's pledge, as prescribed by the Election Commission of India. Also, our NSS volunteers perform an awareness programme in the vicinity of the college wherein they interact with the general public and generate in them an awareness regarding the ideas of democracy and election process. The volunteers also organize a rally to the same effect. Additionally, in 2022, an online live quiz competition was held on the occasion of Voter's Day by the NSS volunteers.</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>On September 27 and 28, 2018, NSS volunteers of the college set up a Voter's Registration Camp, as directed by the Chief Electoral Officer, Delhi through DU NSS Centre. In this camp, all Delhi based students who turned eighteen on or before January 1, 2019, were provided with registration forms to apply for their Voter's Identity cards. Every year, an Electoral Verification Programme is arranged by the NSS unit of the college in association with the Electoral Office Kalkaji, as part of the Systematic Voters' Education and Electoral Participation (SVEEP) Programme. Under the capable guidance of a SVEEP Ambassador, our NSS volunteers spread awareness about the electoral verification programme and assist the students of the college in verifying their voter details. During this programme, NSS receives the EVP forms from the Election Office directly to get the verification certified by the voter. Consequently, hundreds of forms have been filled and sent to the electoral office over the past five years. On the completion of 70 years of the Indian Constitution, a talk titled, 'We the People: Contours of Indian Constitutional Democracy', was organised on October 22, 2019 by the IQAC and the Students' Council of the college. The speaker was Dr. Amna Mirza, Assistant Professor, Shyama Prasad Mukherji College, University of Delhi. In her talk, Dr. Mirza encouraged the eligible students of the college to register themselves as voters.</p>

## Extended Profile

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### 1 Students

#### 1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
2274	2061	2048	2165	1996

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 2 Teachers

#### 2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 129

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

#### 2.2

Number of teaching staff / full time teachers year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
129	129	129	129	129

### 3 Institution

#### 3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
292.53	203.79	285.46	243.69	201.19



## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curricular Planning and Implementation

**1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment**

**Response:**

Acharya Narendra Dev College (ANDC) as a constituent college of the University of Delhi, adheres to the **academic calendar and examination schedule** announced by the University regarding teaching-learning, examinations, summer and winter vacations, in addition to two mid-semester breaks. This includes the **University of Delhi's policy** on the length of time between examinations.

The academic calendar of the college is decided in the beginning of the session and all the activities are listed in the College Prospectus (<https://www.andcollege.du.ac.in/admission/prospectus>).

**Continuous Internal Evaluation (CIE)** of students is interwoven within the timetable following a timeline suggested by the DU Academic Council within the prescribed DU framework. Internal Assessment (IA) comprises **practical discussions, periodic assessments, class-tests, student presentations, quizzes, assignments and projects**. It includes innovative assessment beyond curriculum through research projects, report writing and presentations for holistic evaluation.

The identification of students' learning challenges and specific needs is accomplished through the use of **tutorials, continuous internal assessment and mentor-mentee interactions**. Grievance if any, is addressed immediately.

**Online choices** of elective papers are taken from students. The college offers a plethora of elective courses.

Within the prescribed **Academic Calendar** of the University, ANDC weaves in other annual activities – **AND Memorial Lecture, Orientation Day, Annual Day, departmental events** like seminars, workshops, **co-curricular** and **extra-curricular** activities and **outreach programmes**.

**Co-curricular** activities are mandatory. Each student joins atleast 2 societies.

Faculty while engaged in curriculum delivery is also encouraged to participate in **Faculty Development Programmes (FDPs)**. This year after the implementation of NEP, our faculty attended number of FDPs organized by the University.

Concrete suggestions and the modalities are discussed with **IQAC** and the **Governing Body**.

Students are also informed about the **mentor-mentee** lists, which allow them to discuss their challenges with a committed member of the faculty in order to discover answers to those challenges.

The usual student-centered teaching and learning experience at ANDC is supplemented with interactive **Information and Communication Technology (ICT)** tools, in addition to hands-on workshops that

buttress syllabus specified practical activities. Every class room is equipped with **LCD projector**.

Therefore, within the confines of the **University of Delhi's curricula**, ANDC has taken proactive steps to reinvent regular classroom teaching by fortifying it with customised enabling experiences to assist each student in achieving a holistic education, in addition to achieving generic goals such as specific course objectives and learning outcomes. This is being done in order to help each student attain a wholesome education.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 1.2 Academic Flexibility

### 1.2.1 Number of Add on /Certificate/Value added programs offered during the last five years

**Response:** 62

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 1.2.2 Percentage of students enrolled in Certificate/ Add-on/Value added programs as against the total number of students during the last five years

**Response:** 8.1

#### 1.2.2.1 Number of students enrolled in subject related Certificate/ Add-on/Value added programs year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
122	108	156	195	273

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>



## 1.3 Curriculum Enrichment

### 1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

#### Response:

ANDC provides a well-rounded educational experience through the implementation of a student-centered strategy across all departments.

**NSS@ANDC** provides students with intensive training to help them inculcate human values. Students also participate in outreach activities that involve members of the local community and other students from nearby schools. The NSS chapter actively encourages the uptake of pragmatic values such as awareness of one's duties and rights, critical thinking, and getting involved with issues pertaining to various marginalised groups of the society.

Students at ANDC's **environmental society, Paritantra**, are given the opportunity to gain a nuanced grasp of all the environmental concerns, as well as how these issues affect all levels of society and permeate into the lives of every person. To avoid use of plastic, the college distributed steel spoons and glasses to all students. The College offers a compulsory paper, Environmental Studies which is a part of the curriculum for all undergraduate students. This paper aims to inculcate the importance of environment and sustainability into the students.

The College has a dedicated society for **women's empowerment** called **SASHAKT**. It encourages sensitization to gender issues throughout the entirety of the college, and its influence may be felt at all levels. Girl students receive further training from members of the Delhi Police to recognise aggressive or unwanted male attention and to actively repel it. The College has an **Internal Complaints Committee (ICC)** that handles the cases related to sexual harassment of the female students and staff of the College.

The college has **Institution Biosafety Committee (IBSC)** in place. The college has also outsourced the **disposal of bio waste material**.

**EXPLORE** (Excursions for Peer Learning in an Open and Rejuvenating Environment) is a programme that is exclusive to ANDC, and it assures that all students in their second year are required to participate in a mini-discovery of India approach that is partially funded by the college.

The College helps inculcate moral and cultural values into the students through a variety of activities. The **annual fest, LEIOTHRIX** encompasses many events with specific themes ranging from environmental concerns, gender issues, and cultural and moral values.

Under the aegis of **SPIC MACAY**, ANDC also holds performances by notable classical artists in a bid to promote Indian cultural heritage and values. Besides this, the College's **Annual Day** Celebrations are aimed at felicitating our hard working students, thereby boosting their morale. On this august day, the Annual report is presented by the Principal which documents the achievements of all the stakeholders of the College. The **college magazine, INSIGHT** is also unveiled during the annual day celebrations. The magazine allows the students to express their opinions on the various social and environmental issues. On 31st October each year, the college marks the birth anniversary of Acharya Narendra Deva by organizing

**AND Memorial Lecture.**

The **Equal Opportunity Cell** of the College helps sensitize the students towards *Divyang* persons.

The **Theatre Society** of the college organizes Nukkad Nataks with the specific aim of creating awareness with respect to various social issues.

The **North-East Cell** of the College helps promote the rich cultural and linguistic heritage of the North-East (N-E) states of India.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**1.3.2 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)**

**Response:** 70.76

**1.3.2.1 Number of students undertaking project work/field work / internships**

**Response:** 1609

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

**1.4 Feedback System**

**1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website (Yes or No)**

**Response:** Yes

File Description	Document
Upload supporting document	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Enrolment percentage

**Response:** 88.16

##### 2.1.1.1 Number of students admitted year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
931	725	574	742	699

##### 2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
931	931	818	742	742

#### File Description

#### Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

#### 2.1.2 Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (Exclusive of supernumerary seats)

**Response:** 73.36

##### 2.1.2.1 Number of actual students admitted from the reserved categories year - wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
425	350	285	306	308

##### 2.1.2.2 Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
551	551	444	368	368

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 2.2 Student Teacher Ratio

### 2.2.1 Student – Full time Teacher Ratio (Data for the latest completed academic year)

**Response:** 17.63

## 2.3 Teaching- Learning Process

### 2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools

**Response:**

In order to promote experiential and participative learning classroom teaching is often supplemented with **group discussions, excursions, powerpoint presentations, report making, hands-on practical, simulations, peer teaching, open book tests and organization of educational events such as seminars/webinars** for the purpose of making the teaching and learning process more effective.

In addition, the college has established a number of research laboratories for carrying out UG research. **Th!nk Laboratory** is a wholly undergraduate student-centered laboratory, run entirely by students and established under the **Collaborative Undergraduate Biology Education (CUBE)** programme at the Homi Bhabha Centre for Science Education of the Tata Institute of Fundamental Research in Mumbai. Students have been inspired to consider research as a viable career option because of the **DBT-STAR College Scheme, ELITE, SPIE Chapter, DU Innovation Projects and IEDC**, which have provided them with the opportunity to gain hands-on experience.

The encouragement of scientific curiosity has also assisted students in launching their own start-ups under the campus's **Entrepreneurship lab** and **ANDC-inStart Foundation**, which is a business incubator financed by the Government of the National Capital Territory of Delhi.

Early on, we at ANDC, understood the ever-expanding significance that information and communication technology plays in the modern world. The College has **digital notice boards** to keep the students informed about the latest developments in the College. The classrooms of the college have been **digitised**, which has made it possible for the teaching-learning programme to make use of the dynamic, colourful, and graphic tools of powerpoint presentations. **E-mail** serves as the primary mode of communication

between the students, the college and their instructors. Because of this, teachers are able to administer objective assessments online and provide the students with the necessary study material all at the same time. Additionally, the college is home to a sizable **Web Facilitation Center**. Within this centre, the student fraternity has access to computer systems that come equipped with internet connectivity. This is in addition to **five computer labs**, which have the capacity to accommodate a total of about 250 students. All teaching staff was provided with the tablets alongwith mobile corporate connectivity to teachers.

Mathematics, Chemistry, Physics, Computer Science, Commerce and Electronics are supplementing their regular **teaching-learning process using application software** including **Tally, TinkerCad, Mathematica, Matlab, Origin and Gaussian**. **TinkerCad** is a freely downloadable app that allows simulation of hands-on practicals being conducted .

In addition, the College has laboratories specifically dedicated to enhance learning experiences using ICT tools such as **3D Printing and Designing Laboratory, and Embedded System and Robotics laboratory**. The College has established state-of-the-art laboratories for Skill Enhancement like **PCB Design and Fabrication Lab, Artificial Intelligence Lab, IoT Lab and Modern Communication Systems Lab**.

During Covid times, the College initiated the concept of **V-lab**, where students could perform experiments remotely. Also, **online study material** was uploaded on College's website. Teachers created **Google/Microsoft Teams classrooms** for online teaching.

The College has developed the mechanism of inviting the **choices online for optional papers** (GE, SEC and DSE). In addition, the admission of students in foreign language is completely online.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

### 2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years

**Response:** 100

#### 2.4.1.1 Number of Sanctioned posts / required positions for teaching staff/ full time teachers year wise during the last five years:

2021-22	2020-21	2019-20	2018-19	2017-18
129	129	129	129	129

File Description	Document
Upload supporting document	<a href="#">View Document</a>

#### 2.4.2 Percentage of full time teachers with NET/SET/SLET/ Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

**Response:** 93.95

##### 2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
122	121	121	121	121

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

#### 2.5.1 Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

**Response:**

Each academic session begins with **Orientation Day** both at college level and Departmental level. Students are **apprised** about the mechanism of internal Assessment. Students are also given a handbook, where all rules, regulations and mechanism of internal assessment are given in detail.

The college adheres to guidelines, syllabi, and assessment procedures in accordance with the guidelines issued by the University of Delhi. Therefore, there is a component of **Internal Assessment** (IA) worth 25 percent in the theory paper and 50 percent in the practical paper. Every student is reminded at various points throughout the academic year that they are participating in a process of continuous evaluation, and this is done to ensure that they do not suffer any kind of grade reduction. The Internal Assessment is further broken down into the following categories: a) Test (10 marks), b) Assignment (10 marks) and c) Attendance (5 marks). The evaluation is carried out after giving sufficient notice and at regular intervals spread out over the course of the semester. The students are given the opportunity to engage in conversation with their instructors after the grades have been distributed publicly in the classroom. The individual components of the internal assessment are posted on the college notice boards at the end of the semester. The feedback provided by students is analysed, and if there is a problem with it, it is fixed before being uploaded on the University website.

In addition to the end-of-semester examinations that the university administers according to the schedule, the progress of students is monitored through continuous evaluation in the form of assignments, tests, presentations and other innovative instruments to gauge students' achievements that are specific to the courses they are taking. Students who are not performing up to their potential are offered multiple opportunities to improve. The IA scores are reviewed by the college's **Internal Assessment Committee**, and then those results are made available to the students. Subsequently, the Internal Assessment Committee is in control of things, and after giving these marks one last look over, they submit them on the University of Delhi website so that they can be included in the summative evaluation. If at any point during the process an error is discovered, the process of redressal is started as quickly as possible through the established procedure.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.6 Student Performance and Learning Outcomes

**2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated**

### Response:

The **Choice Based Credit System (CBCS)** was introduced in the University of Delhi during the academic year 2015-2016 in the form of Generic Electives (GE), Discipline Specific Electives (DSE), Ability Enhancement Courses (AECC) and Skill Enhancement Courses (SEC). Since 2019, the University of Delhi has adopted the **CBCS-LOCF** curriculum. The Syllabus of each course contains subjectwise learning objectives and outcomes. Appropriate measures are taken to fulfill the objectives and outcomes of each subject.

ANDC has the intention of establishing its broad-learning outcomes in a manner that is congruent with its legacy, vision and mission, all of which have an impact on every facet of a college student's life. The structure of the CBCS allows for a degree of adaptability by providing students with a selection of elective and interdisciplinary classes to choose from. At the micro-level within CBCS, each individual course of study presents its own one-of-a-kind set of learning outcomes that are tied to the overall curriculum. By encouraging its teachers and laboratory staff to routinely engage in **Faculty Development Programmes (FDPs) and Refresher Courses**, the institution is able to ensure that its classroom teaching-learning process is kept up to date on a regular basis. Following an efficient method of pedagogical practices, instructors share with students at the beginning of each session the overarching goal of the specific course they are enrolled in, as well as the desired outcomes for each individual topic.

The particular goals are covered again in depth through **conversations and lessons conducted in small groups**. Students are educated about the significance of reaching a conclusion, either in the form of results from an exercise set or an experiment carried out, for the entirety of their time spent in laboratory classes. The learner receives immediate feedback, and corrective action is taken, in order to guarantee that the

student has the greatest possible learning experience.

The College is supported by staff members who have received training and are able to deliver the course-specific goals within the classroom setting. The teaching and learning processes were carried out in an **online** setting when the COVID-19 epidemic was in full swing. ANDC decided to use a more modern mechanism in order to guarantee the smooth operation of the same by implementing **digital learning** strategies across a variety of different platforms. The most up-to-date digital tools and technology not only ensured regular connection between students and teachers, but also expanded the range of possibilities for learning outcomes. ANDC continued to conduct its regular internal evaluations and assessments using the online format, in addition to adhering to the CBCS structure and the criteria established by the University of Delhi for the administration of open-book exams. The tutorials for each class were carried out as usual and the time allotted to students for resolving their issues was made as flexible as possible for the convenience of the students. In order to address the concerns voiced by the students in a timely manner, appropriate remedial action was taken wherever it was practicable to do so.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.6.2 Pass percentage of Students during last five years

**Response:** 94.71

### 2.6.2.1 Number of final year students who passed the university examination year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
563	702	615	585	491

### 2.6.2.2 Number of final year students who appeared for the university examination year-wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
563	715	675	634	534



<b>File Description</b>	<b>Document</b>
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 2.7 Student Satisfaction Survey

<b>2.7.1 Online student satisfaction survey regarding teaching learning process</b>	
<b>Response: 3.04</b>	
<b>File Description</b>	<b>Document</b>
Upload database of all students on roll	<a href="#">View Document</a>

## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

**3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)**

**Response:** 227.4

**3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
93.81	38.82	41.32	32.46	20.99

**File Description**

**Document**

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

### 3.2 Innovation Ecosystem

**3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge**

**Response:**

ANDC offers a sturdy platform for innovation in the form of the **ANDC inStart** programme which helps young entrepreneurs by rendering valuable services for their budding businesses. These include providing access to mentors, advisers and experts, and organizing networking events that provide connections with other industry stakeholders, potential leads, mentors and investors.

The college has initiated many research programmes for undergraduate research. Students, across the diverse disciplines, are offered research opportunities, such as **ELITE fellowship** (by the college), **STAR COLLEGE (DBT)** and **SPIE (USA) ANDC Chapter**. Another interesting approach to undergraduate research is the **Th!nk lab**, run entirely by students and established in association with **Collaborative Undergraduate Biology Education (CUBE)**, Homi Bhabha Centre for Science Education, TIFR. Other labs dedicated to undergraduate research include **Artificial Intelligence (AI) Lab**, **Internet of Things (IoT) Lab**, **Modern Communication Systems Lab**, **Mobile Application Development Lab**, **Control Systems Lab**, and **3D printing and Designing Lab**.

The college has been fortunate to have been designated as a Nodal Center for **Virtual Lab (V-Lab @ ANDC)**, an initiative of the Ministry of Education (MoE). Virtual lab allows the learners to get exposure to different topics *via* simulation of real experiments.

**Skill Development Centres (SDCs)** of the College such as **Sericulture, Mushroom Research and Skill Development Centre (MRSDC)** allow integration of vocational skills in the curriculum. Additionally, **Skill Hub @ ANDC** has been selected as a Training Provider for ‘**Web Developer Course**’.

With the aim of contributing towards creation and transfer of knowledge, many of our faculty members are involved in the **creation of course content for open source platforms**, thereby ensuring free and fair distribution of educational resources.

It is a matter of great pride for the College to have been sanctioned the UGC Scheme called **Paramarsh** for “Mentoring NAAC Accreditation Aspirant Institutions to Promote Quality Assurance in Higher Education”.

ANDC has signed the following MOUs in the last five years:

- With Azim Premji University and Azim Premji Foundation for Development, Bengaluru, for pursuing projects related to resource generation for Science and Mathematics pedagogy (26/07/2018).
- With OHSL (Open Health Systems Laboratory), USA to establish an International Bacteriophage Research Consortium (IBRC) and pursue further research (18/11/2018).
- With PhiXgen Pvt. Ltd. to advance research and improve bioinformatic skills and its responsible applications (01/10/2019).
- With THSTI (Translational Health Science and Technology Institute) on 05/08/2020 and with NII (National Institute of Immunology) on 04/09/2021, for implementing the **Science Setu** programme which aims to encourage bright young minds to take up Science and Technology as a career option.
- With Entrepreneurship Cell, School of Open Learning, University of Delhi for facilitating skill development and entrepreneurship ecosystem (09/09/2021).
- With Auburn University, Montgomery, USA to encourage the exchange of research and academic materials of mutual interest, the exchange of teaching expertise, the development of e-learning training, etc. (06/12/2021).
- With Monster.com India Pvt. Ltd. for providing a platform to ANDC students to seek employment opportunities and prepare them for the job market (03/02/2022).

Additionally, ANDC was offered an institutional membership by **CCGN** (Creative Commons Global Network) which was finally approved on 06/05/2018.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
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### **3.2.2 Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years**

**Response:** 256

#### **3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on**

**Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
87	58	40	49	22

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

**3.3 Research Publications and Awards****3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years****Response:** 1.64**3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
74	54	33	29	21

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

**3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years****Response:** 0.74**3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
25	25	20	16	10

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 3.4 Extension Activities

**3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.**

**Response:**

The **National Service Scheme (NSS)** unit of the college encourages students to take part in various community service activities and programmes. To sensitize the college community towards differently abled people, the unit organizes **Sahyog, a Diwali Mela** where NGOs working for people with disabilities, orphans and senior citizens are invited to sell their self-manufactured products. The event, over the years, has gained popularity amongst the NGOs of Delhi. NSS volunteers are active in **India Road Safety Campaign** and organize road safety awareness workshops every year for the college students. NSS@ANDC has **adopted five slums/villages** around the college where volunteers work over weekends and during holidays to improve the living standards of the residents. They teach the children, make residents aware about vaccination schedules, give them an insight on the need for clean surroundings to prevent vector borne diseases, teach them about their fundamental rights, help them to develop social harmony and to overcome various addictions caused by alcohol, tobacco, etc. The unit takes care of the environment by carrying out **plantation drives, campaigns for discouraging one-time-use-plastic, reusing plastic wastes, anti-cracker campaigns**, etc. The volunteers pay equal attention towards the fitness of students by arranging yoga sessions, plog run and walkathon, in collaboration with the Sports Committee of the college. A large number of activities related to society at large, like female child care, child nutrition, vaccinations, literacy and voter's awareness campaigns are undertaken by NSS@ANDC. The unit organizes a **blood donation camp** every year and is actively involved in the **anti-tobacco awareness campaign**. NSS@ANDC also organizes **health check-up camps** annually. In addition to that, the unit arranges blood transfusions for **ten Thalassemic girls** from economically disadvantaged households during the year.

The number of extension activities carried out by the NSS of the College during the last 5 years is as tabulated below:

Year	Number of activities
2017-18	06
2018-19	14
2019-20	36
2020-21	56
2021-22	82
<b>Total</b>	<b>194</b>

The College is one of the participating institutions in **Unnat Bharat Abhiyan (UBA)** with Indian Institute of Technology, Delhi as the Regional Coordinating Institute. Under UBA, ANDC has adopted five rural areas in South Delhi; viz., Khanpur, Govindpuri Slum Area, Okhla Industrial Area, Pul Pehlad and Tajpur Pahari Badarpur. Under the purview of UBA, ANDC is working towards sustainable initiatives in these villages and has organized a free Medical Check-up Camp for the residents of Okhla Industrial Area.

Other extension activities of the College include outreach activities like **Science Adda & Ecoville**, which were programmes for school students. The College regularly participates in **outreach programme** for delivering lectures and conducting counselling sessions in Government Senior Secondary Schools in the **Bani and Biar regions of Himachal Pradesh**.

**Equal Opportunity Cell (EOC)** helps in promoting inclusivity. Similarly, the **North East Cell** helps resolve issues and concerns related to students from the North-East states of India and also gives these students due representation in the College.

*Dhwani*, the Theatre Society regularly holds **Nukkad Nataks** on relevant social issues in addition to Annual Theatre Production. The members of Dhwani can get further training in theatre through the add-on course, **ECPDT** (Effective Communication and Personality Development through Theatre).

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 3.4.2 Awards and recognitions received for extension activities from government / government recognised bodies

#### Response:

The untiring efforts of the College towards helping the neighborhood community and sensitizing the students about social issues has been amply acknowledged by various government/government recognized bodies in the form of the following awards and recognitions:

Name of the Activity	Name of the Award/ Recognition for Institution	Name of the Awarding Government/ Government Recognised Bodies	Year of Award
26th World Environment Congress for outstanding contribution towards environment conservation	World Ecology, Environment and Development (WEED) Award	International Association of Educators for World Peace	2017
9th CMS Vatavaran Environment and	Winner in the exhibition	GSDS, Rajghat, New Delhi	2017

Wildlife International Film Festival and Forum 2017	sustainable development using waste material and handmade products		
One day exhibition and competition organized by Bahnishikha Women & Child Welfare Society	YUVA (Youth Understanding the Value of Air) Award 2018	National Environmental Engineering Research Institute, CSIR-NEERI	2018
47th World Environment Day Celebrations	Plastic Free College of the Year Award	Indian Institute of Ecology and Environment and National Institute of Cleanliness Education and Research	2018
Waste Paper Recycling	Green Merit Award	Green-O-Tech India	2019
COVID-19 prevention and management	Corona Warrior certificate - Dr. Sunita Jetly	Journalist Press Council (India), Noida, Uttar Pradesh	2020
Tele-consultations to assist state governments and municipalities with technology and trained doctors to fight COVID19	Certificate of Exemplary Dedication	Project StepOne	2020
Spreading Thalassaemia Awareness amongst colleges of Delhi University	Designated as the State Blood Cell Coordinator (Dr. Sunita Jetly)	State Blood Cell, Delhi State Health Mission	2021

The College was granted *Paramarsh* Scheme to mentor non-NAAC accredited institutes by UGC.

Also, the College has been awarded **STAR STATUS** by DBT after successful completion of three years in Star College Scheme.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) during the last five years**

**Response:** 194

**3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
82	57	36	13	06

<b>File Description</b>	<b>Document</b>
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 3.5 Collaboration

**3.5.1 Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.**

**Response:** 13

<b>File Description</b>	<b>Document</b>
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>



## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

#### 4.1.1 Availability of adequate infrastructure and physical facilities viz., classrooms, laboratories, ICT facilities, cultural activities, gymnasium, yoga centre etc. in the institution

##### Response:

The College campus is equipped with **Wi-Fi** and there is enough bandwidth to support all the electronic devices that are present on campus. The College provides its students with access to computers for their use and its faculty members have access to tablets for use while working online. Every single classroom has a **Wi-Fi connection, multimedia system and LCD projector**. Students are given the opportunity to work during their spare time in a designated **Web Facilitation Centre**.

The **faculty rooms** of the departments are equipped with computers and printers besides Wi-Fi access.

The library is automated and has the capability to provide rapid access to digital knowledge resources through the use of **Delhi University Library System (DULS)**. The College library works on **RFID System**, where students themselves can get the books issued or returned independently.

There are dedicated office spaces for **Principal, Vice Principal, Bursar, Administration, Accounts, Library and Caretaker**. Also, the College has **LCD projectors equipped Classrooms and UG laboratories. WFC, Examination Control Room, Girls Common Room, Seminar Hall, Conference Room, Committee Room, Bamboo Canteen Tutorial rooms and space for other miscellaneous services**, all of which have ergonomically designed work spaces with modern and environment friendly equipment. The College's information technology infrastructure consists of cutting-edge hardware that is driven by necessary software and supported by blazing-fast internet connectivity.

Keeping in view the needs of NEP, the College has created a dedicated **Research Wing** for carrying out research. In addition, there are **17 Research laboratories** with state-of-the-art instruments.

The College has **Skill Development Centres for Sericulture, Mushroom Cultivation and Pisciculture (Zebrafish culture)** besides Computer labs for IT based skill courses.

Zoology and Botany Departments have their own **Museums**.

ANDC is home to a manicured **sports ground** for outdoor sports. The **Fitness Centre** is equipped with both free weights and cardio training equipment such as cross trainers and bicycles to meet the demands of both students and faculty. In addition, the Fitness Centre offers many facilities like chess and carrom sets, and Olympic size table tennis table for indoor games. Weight lifting and powerlifting have their own specific facilities, such as benches and stands.

The College provides facilities for a wide variety of **outdoor sports**, including athletics (track and field), cross-country and a half marathon. Additionally, the College has dedicated courts for badminton (13.4 m x 6.1 m), basketball (28 m x 15 m), volleyball (24 m x 9 m) and a football ground (90 m x 55 m). Yoga sessions, both for casual users and for students whose curricula include yoga as a required component, are held in a section of the field that has been set aside specifically for that purpose.

The College has a **disabled friendly building** with ramps and washrooms.

There are dedicated spaces for **Theatre, Music and Dance** societies. In addition, there is also space for **NSS and Entrepreneurship lab**.

**Business Incubator** has been provided with sufficient space so that it can work efficiently.

The College also has an **Electric substation and two 125KW Generators**.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

#### 4.1.2 Percentage of expenditure, excluding salary for infrastructure augmentation during last five years (INR in Lakhs)

**Response:** 19.75

##### 4.1.2.1 Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
54.99	36.79	67.73	59.59	23.19

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

#### 4.2.1 Library is automated using Integrated Library Management System (ILMS), subscription to e-resources, amount spent on purchase of books, journals and per day usage of library

**Response:**

The college library works on **ILMS offered by open-source software, KOHA on Cloud**.

The college has subscriptions to the following e-resources through the DU Intranet and 'National Library and Information Services Infrastructure for Scholarly Content (N-LIST)' programme:

- e-books
- e-journals
- Databases
- e-ShodhSindhu
- Shodhganga
- Remote access to e-resources

Besides the above-mentioned e-resources, the college also procures books and journals directly through vendors. The total number of books and journals, and the amount spent on the purchase of the same for the last five years are as under:

Resource	Total Number	Total Amount (INR)
Books	4745	20,77,172/-
Journals	118	1,24,913/-
E-resources	All the e-resources available through the DU Intranet and N-LIST programme	29,350/-
<b>Total Expenditure</b>	-	<b>22,31,435/-</b>

The per day usage of library by the students and teachers of the college for the last five years can be tabulated as under:

Year	Average Number of Users Per Day
2017-18	180
2018-19	300
2019-20	200
2020-21	04
2021-22	150

The College library has the access to plagiarism software **Ouriginal by Turnitin (Urkund)**.

The College library is **automated** and each book has been tagged for reading by **RFID and works on open source software Koha on Cloud**. ID cards issued to the students are also readable by RFID. The faculty members also have access to RFID tags based on NxPoI series.

**OPAC** (Online Public Access Catalogue) facility is integrated with the College website.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 4.3 IT Infrastructure

### 4.3.1 Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

#### Response:

In the college, **cloud computing** facilities have been established, and these facilities were put to extensive use during the COVID-19 pandemic in order to host Virtual Laboratories for a variety of departments. The entire campus is equipped with **Wi-Fi**, and there is enough bandwidth to support the computers, tablets, phones, and other smart devices used by all the students, faculty and staff members. The existing Wi-Fi infrastructure has been significantly updated in comparison to the 4 GHz radio antenna that used to supply the college with internet through line-of-sight transmission from the University of Delhi South Campus node. In addition, **local internet connections by Excitel (100-300 MBPS)** are also provided.

The **Web Facilitation Centre (WFC)** of the college has a backbone of two servers - a primary and a slave (secondary) both of which are enabled with **RAID** (Redundant Array of Independent Disks) technology. RAID allows for hot-swapping of HDDs and this facilitates availability of seamless internet throughout the college campus. The software that the library used earlier was a custom-designed **Enterprise Resource Planning (ERP)** module powered by TCS. Nowadays, the library works on **ILMS offered by open-source software, KOHA on Cloud**.

Using this infrastructure, a few departments including Mathematics, Chemistry, Physics, Electronics, Commerce and Computer Science are supplementing their regular teaching-learning process **using Apps** including TinkerCad, Mathematica, Matlab, Origin and Gaussian.

During the pandemic, an automated **COVID resource information App** was developed by NSS wing of the College.

The College staff was provided access to customized **Google accounts** (andc domain), by the University of Delhi, which allow unlimited storage capacity on the drive. In order to facilitate the conduct of online classes during the COVID-19 pandemic, the University of Delhi also provided the faculty and the students with **Microsoft Teams accounts and Google workspace**. The students and the faculty made good use of these facilities for the smooth conduct of classes. The college has subscription of **ZOOM** for conducting online meetings.

Since the College puts a lot of emphasis on research, it is pertinent to state here that the College has access to **QuillBot**, a paraphrasing tool which helps avoid plagiarism. Further, we also have access to the plagiarism checking software, **Ouriginal by Turnitin**. Together, these tools help us maintain international standards in our scientific communications.

The campus is under **CCTV surveillance** that ensures the safety of our students. The College also has digital display boards to keep students informed about the latest developments in the College.

The College carries out admissions of Foreign language courses through **online portal**.

The College has also established the mechanism of taking **online choices** from students for selecting elective papers like **General Elective, Skill Enhancement Courses and Discipline Specific Elective papers**.

During COVID19 pandemic, the College has developed **V-Lab** for students to carry experiments online remotely. Also, a number of **lectures and online study material** prepared by the faculty members have been uploaded on the College's website.

Both the Administration and Accounts sections are automated.

Each department has their own **workstations with printing facility**.

College issues **laptops** to needy students.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

#### 4.3.2 Student – Computer ratio (Data for the latest completed academic year)

**Response:** 10.78

##### 4.3.2.1 Number of computers available for students usage during the latest completed academic year:

Response: 211

File Description	Document
Upload supporting document	<a href="#">View Document</a>

## 4.4 Maintenance of Campus Infrastructure

#### 4.4.1 Percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years (INR in Lakhs)

**Response:** 80.25

##### 4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
237.53	167	217.73	184.09	178

<b>File Description</b>	<b>Document</b>
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1 Percentage of students benefited by scholarships and freeships provided by the Government and Non-Government agencies during last five years

**Response:** 6.49

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government and Non-Government agencies year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
171	103	164	144	102

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

#### 5.1.2 Capacity building and skills enhancement initiatives taken by the institution include the following

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

**Response:** A. All of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

#### 5.1.3 Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

**Response:** 16.93

5.1.3.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
183	269	498	635	200

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

#### 5.1.4 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

1. Implementation of guidelines of statutory/regulatory bodies
2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

**Response:** A. All of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>

## 5.2 Student Progression

#### 5.2.1 Percentage of placement of outgoing students and students progressing to higher education during the last five years

**Response:** 20.64

##### 5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
159	131	119	122	72

##### 5.2.1.2 Number of outgoing students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
554	694	612	578	483



File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

**5.2.2 Percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)**

**Response:** 16.61

**5.2.2.1 Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ Judicial Services/Public Prosecution services/All India Bar Exams/State government examinations) year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
10	21	09	07	0

**5.2.2.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
63	77	61	68	14

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 5.3 Student Participation and Activities

**5.3.1 Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years**

**Response:** 5

**5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at**

*national/international level (award for a team event should be counted as one) year wise during the last five years*

2021-22	2020-21	2019-20	2018-19	2017-18
01	0	02	02	0

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 5.3.2 Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

**Response:** 11

#### 5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
02	00	02	48	03

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 5.4 Alumni Engagement

### 5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

**Response:**

Several of our alumni are in important, influential positions in academia, managerial positions and elsewhere, both in the country and abroad. The primary objective of the Alumni Association at Acharya Narendra Dev College is to encourage and facilitate the development of friendships as well as to preserve intra- and inter-personal connections between former students of the college and the institution itself.

In a variety of different methods, the objective of the **ANDC Alumni Association** is to make a

contribution to the expansion of ANDC's reputation as a premier Science college of the University of Delhi. The faculty members of the institution and the student members of the College Union work together to oversee the organization's day-to-day operations. The goal of the Alumni Association is to engage graduates of all generations by reaching out to them in different ways. All the students who have graduated from the institution are eligible for membership of this association. ANDC has made it a point, over the course of the past three years, to actively recruit final year students in the association. This is made possible by maintaining accurate records on the graduates' most recent residences, phone numbers and email addresses.

Mr. Abhinav Halen, an alumnus of the college, and the family of the late Ms. Teena Gupta have established two scholarships for college students with corpus funds of 5L each, and these scholarships have provided significant financial support to a great number of students during their three years in college.

One of the alumnus of the College is a member of IQAC and is instrumental in taking up many important decisions.

A significant number of ANDC's alumni are in academic fields and visit college regularly to deliver seminars in order to encourage students.

Different departments of the College organise Career Counselling sessions by their own alumni.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

**6.1.1 The governance and leadership is in accordance with vision and mission of the institution and it is visible in various institutional practices such as decentralization and participation in the institutional governance**

**Response:**

In the structural organisation, an active leadership can be easily identified, beginning with the illustrious **governing body** having representatives of both teaching and non teaching members. This body comprises members whose careers span the spectrum of social work, academia, research, public service and law. These members pool in their limitless wisdom to steer the college towards excellence. The college's motto in Sanskrit, "*Asato Ma Sadgamaya,*" translates to "self-introspection to lead oneself from ignorance to truth," is an ideal way to sum up ANDC's vision and objective. The motto represents self-introspection to lead oneself from ignorance to the truth. The Principal, teaching and non-teaching staff come together to form the collective executive body that works towards the effective implementation of the vision and mission of ANDC in a student-centric way. The **Staff Council** has the authority to make decisions regarding practically all aspects of the executive, including but not limited to aspects of teaching and learning, curricular, co-curricular and extracurricular activities. The Staff Council forms inclusive stakeholder committees that are empowered to undertake decision making on all aspects of college administration within the parameters of the rules and regulations prescribed by the University of Delhi.

The college has a fully active **Internal Quality Assurance Cell (IQAC)** that has been constituted as per UGC Guidelines. IQAC carries out all the **planning, guiding, monitoring, Quality Assurance (QA) and Quality Enhancement (QE) activities of the college.**

The principles of decentralisation and participatory management are firmly ingrained in all aspects of ANDC's academic and administrative structure. Within the context of the institution, the **Timetable and Workload Committee** stands out as one of the most successful examples of participatory decision making. This was demonstrated by the Committee during the COVID-19 pandemic by designing an online teaching-learning process and the deployment of flexible learning pedagogies. The Committee worked towards implementing the most effective teaching and learning approaches. Another example is that faculty members are given a high degree of autonomy along with accountability, thanks to the departmental structure of a teacher-in-charge who is responsible for implementing all policies and programmes using a participatory model. This is one way in which faculty members are empowered.

Under the watchful eye and active direction of faculty coordinators and convenors, cultural and extracurricular societies are led by student representatives who are elected to such positions.

The **Internal Complaints Committee (ICC)** of the College ensures that all the grievances of the staff members and the students are resolved to their satisfaction.

The **Finance Committee** of the College also exemplifies ANDC's goal of participative governance by including representatives of the faculty members in financial decisions.

Together, students, staff members, and faculty members make up the college's stakeholder community, and

they collaborate to bring the institution's goal and vision to fruition. The college strongly believes in the dual philosophies-- **Beyond the Classroom...** and **Preparing for the Future...** and therefore the College works on those areas also which are not covered in the curriculum and thereby helps building the overall personality of the students so as to make them ready to face the challenges of the world.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, deployment of institutional Strategic/ perspective/development plan etc

#### Response:

ANDC being a constituent college of University of Delhi which is 100% funded by DHE, GNCTD, strictly follows the Acts, Statutes and Ordinances of DU, and guidelines and gazette notifications of UGC.

There is a finance committee headed by Bursar for taking all financial decisions and the College follows GFR-2017.

The administrative structure is standardised and well defined. The administrative wing of the college, which is led by the **Principal** and is expertly guided by the **Governing Body**, functions with a focused approach to provide the highest quality of wholesome education while also extending support to the college community in order to accomplish the mission of education without frontiers. This administrative support facilitates twinning and synergy across the board in terms of college operations. Committees that are formed within the Staff Council, which is headed by the Principal, are responsible for driving academic, cultural and extracurricular activities. In accordance with the principle of "**quid pro quo**," academic institutions are expected to render comprehensive administrative assistance, which may include the management of accounts, the operations of teaching departments and student bodies, the initiation of purchases, and even contributions to the upkeep, development, and improvement of infrastructure.

All appointments of teaching and non-teaching staff are done as per UGC notifications adopted by DU.

The scourge of COVID-19 has wreaked havoc on people's lives and their livelihoods all around the world over the course of the past couple of years. Prolonged durations of several lockdowns revealed the structural weakness and had a devastating impact on the teaching and learning process, particularly in nations like India. Adopting a structural framework during the time of the COVID-19 pandemic is a recent activity that exemplifies successfully utilising ANDC's strategic capacity. ANDC used the **online format**, which was in keeping with both its vision and goal and was based on its organogram and ethics. Following the implementation of an action plan that included all events and activities that catered to all areas, an effective evaluation and appraisal system was put into place, which allowed for the continuous upkeep of

academic standards throughout the year. The implementation of the strategic plan started with providing all the departments with current versions of the digital materials and tools they use, particularly in light of the recent shift to an online form of teaching and learning. The consistent input from concerned teachers and students assisted with the study of the results of each event, and this feedback was saved for future reference. The college was able to supplement the successful implementation of this action plan in teaching-learning and research by implementing a number of additional initiatives and mechanisms. These included the promotion of **FDPs by the IQAC, innovative/scientific talks**, courses and initiatives at the departmental as well as institutional level, and strengthening of the **IT infrastructure and Digital Resource Centres**. In order to conform to the idea of an online teaching-learning process, an efficient deployment that was based on the strategic allocation of work and responsibilities was developed.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 6.2.2 Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

**Response:** A. All of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>

## 6.3 Faculty Empowerment Strategies

### 6.3.1 The institution has effective welfare measures and Performance Appraisal System for teaching and non-teaching staff

**Response:**

At ANDC, everyone is treated with the same respect due to the organization's unwavering dedication to the maxim of "**giving it back to the society.**" In order to make this goal a reality, the organisation supports a number of different programmes, one of which is the provision of maternity, paternity, and child care leave to all employees who are eligible for it, in addition to medical benefits and access to wellness counselors.

ANDC provides its teaching and non-teaching staff with opportunities for **sustained professional development** to enhance their pedagogic knowledge content and hands-on skills. This is done to assist them in moving towards a constructivist framework of student-centered teaching and learning. ANDC motivates, encourages and facilitates these opportunities for professional development.

In addition, the establishment makes efforts to either create or invite other organisations to carry out routine **capacity building** and training programmes for both teaching and non-teaching staff members. ANDC provides its workers with **financial help** in the form of either full or partial reimbursement for participation in in-career learning initiatives. In addition to retirement benefits in the form of gratuity, GPF, NPS, and the ability to cash in earned leave, the organisation offers loan benefits to all its employees in the form of a Quick Provident Fund Loan Facility. In addition to the reimbursement of medical expenses and ward's school fees, the institution makes an effort to also provide loans for automobiles and computers. Additionally, the organisation works hard to make its recreational, support and ICT facilities accessible to people with disabilities.

The College has a well regulated performance appraisal system for the staff. To this end, the staff submits **Annual Performance Assessment Reports (APARs)** on a yearly basis.

The College also takes **Annual Confidential Reports (ACRs)** of non teaching employees from their respective reporting heads and the same is also communicated to them as per GoI rules.

Additionally, the Principal is responsible for positively reinforcing excellent work that has been done in the institution by recognising, nominating, and awarding the contribution of people and organizations at each and every public forum and occasion. For example, the college has constituted a Service Award by the name *Nishtha*, to felicitate college employees for **completing 25 years** and the principal for completing 10 years of regular service to the college. The award consists of a specially designed plaque, shawl and a certificate.

As per DU's policy, there is a **Ward Quota** in admission for the wards of teaching and non-teaching employees of the College. Also, **no fee** is charged from the wards of non teaching employees.

The College has initiated many schemes to encourage research culture. For example, the College provides a **Research Contingency Grant** of Rs. 15000/- per annum to the recognized supervisors. Another example is the setting up of a research fund, '*Anusandhan Kosh*' which entailed an initial allotment of Rs. 2 crore from the College Development Grant (Student Society Fund) and the use of the interest earned to promote research and innovation.

Staff are also provided with all benefits like Sabbatical leaves/CCL/Study leaves/LTC facility/Medical reimbursement/GPF withdrawal/MACP in time bound manner. The College also provides Children Education Allowance (CEA) to all the eligible staff members.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 6.3.2 Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

**Response:** 13.49

**6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
47	14	1	10	15

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

**6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years****Response:** 14.23**6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
46	64	29	23	8

**6.3.3.2 Number of non-teaching staff year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
110	110	110	110	110

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

**6.4 Financial Management and Resource Mobilization****6.4.1 Institution has strategies for mobilization and optimal utilization of resources and funds from**



**various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)**

**Response:**

ANDC is a constituent college of the University of Delhi and receives funding from the Government of the National Capital Territory of Delhi (GNCTD). The GNCTD provides the college with a grant-in-aid of 100%, and this amount is applied to the costs that accumulate under the salary and maintenance category. Following a comprehensive review by the Governing Body, the draft of projected grants for the year is then sent to GNCTD for approval. This draft is based on the budget that was developed by the accounts and administration departments. With the active participation of the Governing Body, Finance Committee, Library, and several related entities that aid in the preparation, division, allocation, and utilisation of money, the funds that were received as well as any other resources are used prudently.

The College submits monthly expenditure statements and UCs are submitted as per GFR-2017. Bursar, a teaching member is a cosignatory on all financial documents.

Through high-quality auditing and accounting, the college aspires to achieve the highest possible levels of **accountability, transparency and good governance**. This is in accordance with the mandate outlined in the Constitution of India to give independent assurance to all parties involved. A high level of financial propriety is the primary consideration in the comprehensive guidelines that govern the financial behaviour of the officials who are responsible for incurring expenditures or sanctioning those expenditures. The auditing of the college is carried out in phases. The first audit is an internal one and it is conducted by a Chartered Accountant who has been nominated by the college. In the second step of the process, the accounts are subjected to a **Local Fund Audit (LFA)**, which is carried out by designated CAs who have been sent by the Government of the NCT of Delhi. The Principal Secretary (Finance) serves as the Directorate of Audit's head, and he or she is aided by the Special Secretary (Finance) and the Controller of Accounts (Audit). The final one is the audit by **Comptroller and Auditor General of India (CAG)**, which confirms that financial information is presented in line with the applicable financial reporting and regulatory framework.

All purchases are done through **Government e market (GeM)** portal and/or following GFR 2017, notified by the Govt. of India.

The college has established a number of fellowships and scholarships, the majority of whose funding comes from the philanthropic contributions of college employees, former college employees and the college alumni. These fellowships/scholarships are awarded to students who have demonstrated academic excellence as well as financial need. A portion of the fee that is paid by students is allocated to a fund called '**Student Aid for Knowledge, Success, Honour and Motivation**' (SAKSHAM), which provides financial support for various student organisations and activities. In order to provide high-quality education to students, adequate funding has been allotted for effective teaching-learning practices. These practices include **Orientation Programmes, Workshops, Interdisciplinary Activities, Training Programmes, Faculty Development Programmes and Refresher Courses**.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 6.5 Internal Quality Assurance System

**6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities**

### Response:

The IQAC of the college plays a pivotal role in assuring the quality of the college's administrative and academic units' operation by employing the following practices:

- 1. Pioneering research training at the undergraduate level:** The Governing Body of the college has actively coordinated with the institution to create ELITE fellowships, which are awarded to two hundred students so that they may carry out research during their summer break. The projects that the students work on are intended to have a cross-disciplinary approach and they are directed by professors who specialize in a wide range of fields. In addition to sparking creativity in young people, the ELITE initiatives teach undergraduate students how to become self-directed learners and assist them in acquiring practical skill sets. This culture of research has been fostered by the IQAC through the promotion of publication of research works and the encouragement of faculty members to write research proposals. The IQAC has been working hard to provide users with up-to-date information regarding the high-quality journals that are included on Scopus and the UGC Care list, as well as to encourage users to publish a great deal. In addition to this, the IQAC has organised and presided over seminars and conferences at the national and international levels.
- 2. Enhancing efficacy of administration and nurturing a healthy workplace:** The IQAC takes the initiative to implement the best policies and procedures that it has envisioned for the college administration. The IQAC guarantees that APARs are submitted on a consistent basis by the staff. This method of self-evaluation and feedback ensures that the personal improvement records of all stakeholders are regularly updated. In addition, an administrative audit is carried out in order to evaluate the execution. Workshops on professional growth and self enhancement are regularly promoted by IQAC in order to strengthen work ethics, keep data skills up to date, and manage stress more effectively. Further, the IQAC ensures that classrooms are equipped with the necessary ICT infrastructure to support blended learning, particularly for scientific laboratory work. Additionally, IQAC has collaborated with the administration of the institution to expand the multidisciplinary research infrastructure in a manner that is consistent with the vision blueprint for the NEP.

The IQAC of the College envisions not only the traditional academic rigour that is confined to the teaching-learning process in the classroom but also the entire development of students, with a particular emphasis on interdisciplinary research. Hands-on training in real-world research projects at the undergraduate level, specifically the new instructional approaches that have been employed, have helped extend the academic basis and outreach of students. Students have been successful in securing admission in postgraduate

programmes in other countries that come with full funding, thanks to this. In addition, this programme has assisted in the training of students with an eye towards the industrial sector.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

#### 6.5.2 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements
2. Collaborative quality initiatives with other institution(s)/ membership of international networks
3. Participation in NIRF
4. any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA, ISO Certification etc

**Response:** A. All of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1 Measures initiated by the Institution for the promotion of gender equity and Institutional initiatives to celebrate / organize national and international commemorative days, events and festivals during the last five years

##### Response:

ANDC has been working hard over the past few years to provide a comprehensive platform for female students. This has been accomplished by encouraging and promoting interdisciplinary analysis and thinking in order to deliver a comprehensive strategy for resolving a number of issues plaguing modern society.

A fundamental step in this regard is the establishment of an **Internal Complaints Committee (ICC)**, which comprises distinguished female lawyers, non-teaching employees, a capable representation of students and is led by an experienced female faculty member.

Second, the college's Sashakt society gives female students an advantage by providing them with hands-on training and inspirational presentations delivered by prominent members of the Delhi Police. The availability of a **sanitary napkin dispenser** and an **incinerator** in the women's restrooms makes for an environment that is both secure and conducive to learning for the student body.

ANDC provides a specific fund for the exclusive purpose of assisting the educational pursuits of female students, empowering young people with the tools necessary to investigate the aspirations of the academic world and the transformative potential of knowledge.

An exclusive **Girls' Common Room** is also available in the college. This room offers female students a space in which they are encouraged to revitalise their perspectives on a variety of socio-political issues, including but not limited to feminism, gender, sexuality, caste-based atrocities, class divide, as well as the promotion of mental health and empowerment.

The College holds a wide array of events for the benefit of its students. ANDC's **annual fest**, Leiothrixx is a fun filled celebration that serves to unite the students in spirit and helps them acquire leadership and team building skills. The college marks the **birth anniversary** of Acharya Narendra Deva, who was a major proponent of Gandhian philosophy and after whom the college has been named on 31st October each year. Under the aegis of **SPIC MACAY**, ANDC also holds performances by noted classical artists in a bid to promote Indian cultural heritage and values. Besides this, the College's **Annual Day Celebrations** are aimed at honoring our hard working students, thereby boosting their morale. In addition, all important events like Yoga Day, Hindi day, Independence Day, Republic Day and National Voters day are also celebrated.

The College also organizes **sports day** annually which is the culmination of various league sports activities.

The College routinely organizes various national and international level **workshops, conferences, symposia, webinars, seminars that provide hands-on training** to the students and the faculty. In the last

five years, the College has organized around 250 such events which have been received with a lot of enthusiasm by the participants.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 7.1.2 The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and nondegradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

Response: A. 4 or All of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>

### 7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

1. Green audit / Environment audit
2. Energy audit
3. Clean and green campus initiatives
4. Beyond the campus environmental promotion activities

Response: A. All of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>

### 7.1.4 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic diversity and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

ANDC conceives of and puts into action an institutional commitment to the creation of a flourishing environment for all the stakeholders. In addition, ANDC adheres strictly to all policy level initiatives

specified by the Government of India and the University of Delhi in order to ensure inclusivity. Students who come from disadvantaged backgrounds are provided with a fair and accessible place for learning, thanks to the efforts of the **Equal Opportunity Cell (EOC)** of ANDC. The students, who come from all across India, participate in a variety of events organised by the many cultural societies on campus. These activities encourage unity among the students. The **North-East Cell** of the institution ensures that students from the region are represented and involved in all aspects of college life. ANDC has established a number of scholarships for female students and those coming from socio-economically disadvantaged backgrounds. The institution has a strong commitment to ensuring that persons with disability (PwD) have access to inclusive education, and consequently, it works hard to make its facilities universally accessible to allow PwD to participate fully in society and lead independent lives.

ANDC views the principles and philosophies enshrined in the Constitution of India as its compass and it has the objective of providing its stakeholders with education of the highest calibre in order to transform them into independent learners who are at par with the global standards. The principal, teaching staff, non-teaching staff and students take an integrity pledge during the **Vigilance Awareness Week** as well as on **Sports Day**. In addition to this, the college educates the students on the significance of the commitments as well as the responsibilities that come along with them. Besides this, the college hosts a number of seminars, webinars, conferences and colloquiums on topics including Gandhian values, democracy, secularism, empowerment and citizenship rights. Moreover, the college makes its personnel aware of national disasters and solicits donations from them; these contributions are subsequently contributed to the **Prime Minister's Relief Fund**.

Celebration of national memorial days of the Republic of India, such as Independence Day, Republic Day, and Gandhi Jayanti, are always held with zeal and enthusiasm at ANDC. In addition to these events, the college, in partnership with *Paritantra*, the college **environmental society**, commemorates World Environment Day on the 5th of June each year in order to raise awareness about the need of protecting the environment. The 21st of June of each year is celebrated as **International Day of Yoga** at ANDC, with enthusiastic involvement from both students and staff members. Additionally, on the 12th of January of each year, the college celebrates **National Youth Day** as a way to recognise the principles and ideas of Swami Vivekananda, who had a great deal of faith in the younger generation. On the 31st of October each year, the college marks the birth anniversary of Acharya Narendra Deva who embraced Satyagraha as a revolutionary technique and after whom the college has been named.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 7.2 Best Practices

**7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual**

**Response:**

## 1. Title of the Practice

### *Augmenting the teaching-learning process with research*

#### Objectives of the Practice

Integrating research with teaching-learning process has been one of the key features of undergraduate education at ANDC. Introducing research by providing adequate infrastructure has helped the young minds to become more inquisitive, more innovative and more productive in fields of their interest. The college's vision to base science learning with as much hands-on approach as possible resulted in bringing research to the classroom.

#### The Context

Promoting research is a kind of teaching learning tool and helps students in taking informed decisions. Research at any level helps in strengthening the education.

#### The Practice

a. **UG Research:** The college also provides a vast array of opportunities for to undergraduate students to contribute to research. Students, through hands-on experience in their chosen area of research, show a tremendous improvement in analytical skills, confidence level, time management, team spirit and effective communication. Students, across the diverse disciplines, are offered unique research programmes, such as ELITE fellowship and IEDC (by the college), Innovation projects (University of Delhi), DBT STAR COLLEGE (DBT) and by external agencies such as SPIE (USA) and Innov8, The Robotic Society. The projects are designed to promote productive undergraduate research experiences.

b. **Doctoral Research:** ANDC is gradually becoming a flourishing research centre with doctoral and post-doctoral research being done under supervision of faculty members from different disciplines. A total of thirteen technically advanced research laboratories have been established to pursue advanced scientific research and the College currently has thirty three students pursuing their Ph.D. under the supervision of seventeen faculty members.

c. **Summer Internships:** School Students and Students pursuing their Graduation/Post-graduation in various institutes also come to ANDC to pursue their summer internship with the faculty members. Details of the same can be accessed from <https://www.andcollege.du.ac.in/research/pgresearch>.

#### Evidence of success

Many students who had performed summer projects were not only able to acquire greater knowledge beyond the scope of their syllabus but also gain valuable hands-on skill-sets and the ability to work in a group. These skills helped many of them garner fully funded scholarships to pursue postgraduate studies abroad. Some of the students were also able to present their compiled and collated data in the form of conference presentations and publications in national journals.

#### Problems encountered and resources required

Although the college has been able to provide the requisite infrastructure and consumables to the students

to perform their UG research work thus far but the ever increasing cost of chemicals and facilities for increasingly complex experiments are beginning to demand more resources. Also, the students come to the college with their entrepreneurial spirit already on overdrive. Hence, the need for an enhanced number of scholarships is being felt.

## 2. Title of the Practice

### *From Job Seekers to Job Providers*

#### **Objectives of the Practice**

With the changing social traditions, creation of self-employment opportunities and acquiring entrepreneurship skills have become de-rigueur. Given the explosive pace of technological development allied with sheer creativity the College is striving to motivate students to take up entrepreneurship in a proactive manner by helping them imbibe the pre-requisite information for establishing a start-up and creating self-employment opportunities. In recognition of these efforts and the college has developed business incubator and entrepreneurship laboratory.

#### **The Context**

The move towards introducing entrepreneurship in a regular UG college demanded a paradigm shift in the teaching-learning process being followed for many decades. Some of the different approaches hitherto unheard of in regular UG teaching included training students to think like business owners, getting them used to more work over longer duration of time besides training them to position themselves effectively in a business set-up. Jumping from training to get a job as an employee to turning entrepreneur demanded a substantial leap of faith for the students. The students imbibed the culture of working by themselves and were good to go whence they were able to shore up some living expenses for self-support.

#### **The Practice**

a. **Business Incubator, ANDC inStart Foundation:** the College has been sanctioned an Incubation Centre by the Government of NCT of Delhi. The business incubator is established as a Section 8 company – ‘ANDC inStart Foundation’ within the premises of the college.

b. **Entrepreneurship Laboratory:** ANDC has pioneered a new idea by establishing Entrepreneurship Laboratory in 2013. EL seeks to foster an entrepreneurial mindset amongst students and provides a conducive environment that promotes their innovations, initiatives and commitment. This is a space where students are encouraged to bring their novel ideas to life by being helped to set up a small enterprise.

#### **Evidence of success**

In order to arrange a seamless transition from formal education to establishing a start-up, the college provides the entire start-up ecosystem in one place. Stupendous results could be achieved as sixteen (16) start-ups have been inducted in ANDC inStart Foundation since March 2018 out of which six (06) start-ups belong to alumni of the College.



Undergraduate students of the college have established an in-campus company, called ANDY that depicts the spirit of AND Youth. ANDY (Acharya Narendra Dev Youth) is one of such projects of the Entrepreneurship Laboratory which is a campus-based, not-for-profit venture, whose aim is to provide training and thus encourage students to become successful entrepreneurs. Under ANDY, we manufacture cost-effective and eco-friendly cosmetics and various other merchandise so as to prepare students face the real-world market with more confidence and experience; and instill the idea of being an entrepreneur as an equally competitive career option for the students. Association with ANDY has already yielded success stories with some students starting off their own ventures while many are in the process of doing so.

### Problems encountered and resources required

ANDC inStart Foundation has been able to grow substantially over the last five years. Some of the challenges that it is facing to sustain the growth rate / level include requirement of larger space to incubate and house more start-ups. Some other areas that demand attention are the requirement of enhanced funding and more staff for Entrepreneurship laboratory.

File Description	Document
Best practices as hosted on the Institutional website	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

## 7.3 Institutional Distinctiveness

### 7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

#### Response:

ANDC has a dream of a world in which students are respected and acknowledged for the important role they will play in the nation's future. The college is always working hard to make this vision a reality by exposing the students to the latest advancements in science and technology. ANDC adopts a multi-tiered approach to science by promoting research at all levels - **school, undergraduate, doctoral and postdoctoral**. Besides catering to the research interests of its own students, ANDC also provides internship opportunities to undergraduate and postgraduate students from other universities such as Jamia Millia Islamia, Amity University, Kurukshetra University, G.D. Goenka University, Galgotias University and Banasthali Vidyapith. We encourage our students to take up science as a career option by promoting research at the undergraduate level as well as hand-holding the students along their journey towards achieving a Ph.D. degree. In recognition of the potential of the faculty at ANDC to conduct independent research, seventeen teachers have been recognized as Ph.D. supervisor/co-supervisor by the University of Delhi. Taken together they are providing guidance to **33 Ph.D. scholars**. Besides this, a faculty member, Prof. Sarita Kumar has supervised two post doctoral fellows in the past five years. Between the years 2017-2022, our faculty has published more than 200 research articles in various international/national

journals of repute.

The research projects in the college are funded by the grants received by teachers from external funding agencies such as **DBT, DST, CSIR, MOEF, ICMR, etc.** During the period from 1998-2022, 30 research projects have been carried out by the faculty members of the college. Out of these, 11 have been done in the last five years. Research projects not only keep the faculty members updated with the advancements being made in the world of Science, but the research grants also help in improvising the infrastructure and in the development of state-of-the-art laboratories. In addition to a research wing, the college has a total of **17 research laboratories** which are as follows:

1. Anti-mycobacterial Drug Discovery Laboratory
2. Chemical Biology Laboratory
3. Environmental Monitoring and Assessment Laboratory
4. Polymer Research Laboratory
5. Research Laboratory of Inorganic Chemistry
6. Material Science Laboratory
7. Mathematics Research Centre Laboratory
8. Sensing Materials and Devices Laboratory
9. Chandra Computational Physics Lab
10. Insect Vector and Pests Laboratory
11. Microbial Technology Laboratory
12. Ciliate Biology Laboratory
13. Embedded System and Robotics laboratory
14. Synthesis & In-Silico Drug Design Laboratory
15. Th!nk Laboratory: CUBE Laboratory in collaboration with HBCSE, Tata Institute of Fundamental Research, Mumbai
16. Mushroom Research and Skill Development Centre (MRSDC)
17. Zebrafish Culture Facility

Besides the above research labs, there are **28 laboratories** for undergraduate curriculum teaching. In addition, the College has **two Central Instrumentation Facilities**; one for Physical Sciences and the other for Life Sciences. In addition to aforementioned research facilities, the College has recently added a dedicated research wing having state-of-the-art research grade equipment.

The College has received many accolades for its untiring efforts in the field of education and research. ANDC won awards for three years in a row in the intercollege contest, Antardhvani organized by the University of Delhi showcasing good practices from each of its constituent colleges. It has been listed among the top 10 Science colleges in Delhi by the India Today Survey since 2010. Moreover, the National Institutional Ranking Framework (NIRF) has consistently been listing ANDC among the top 25 Colleges.

Students, across the diverse disciplines, get opportunities to conduct research under schemes, such as the **ELITE fellowship** (by the college), **DBT STAR STATUS COLLEGE** and Society of Photographic Instrumentation Engineers, SPIE (USA). The ELITE (Education in a Lively Innovative Training Environment) scheme is a summer research fellowship wherein there is provision of a monthly scholarship of Rs. 1000/- for up to two months for each student and a grant of Rs. 10,000/- to each department for consumables. It is a matter of great pride for the College that seven of its departments (Biomedical Science, Botany, Chemistry, Computer Science, Electronics, Physics and Zoology) have been awarded **STAR Status** by DBT on August 27, 2021. This accompanies a one-time non-recurring grant of Rs. 15.00

lakhs (per department) and recurring grant of Rs. 5.00 lakhs per year per department along with contingency of Rs 1.00 lakhs per year and travel grant of Rs 2.00 lakhs per year for a period of three years. **Society of Photo-Optical Instrumentation Engineers (SPIE)** is an international society involved in the advancement of an interdisciplinary approach to the science and application of light. The SPIE chapter of ANDC is entitled to receive Activity Grants, Officer Travel Grant, Visiting Lecturer Program and Collaborative Conference Grant.

ANDC has initiated many schemes to encourage research culture among the faculty members. For example, the College provides a recurring grant of Rs. 15000/- per annum to the recognized supervisors. Another example is the setting up of a research fund, '*Anusandhan Kosh*' which entailed an initial allotment of Rs. 2 crore from the College Development Grant (Student Society Fund) and the use of the interest earned to promote research and innovation.

The College provides hands-on training for research through various workshops, seminars and conferences. Additionally, the college has been actively involved in developing a platform for performing simulation experiments by acting as a Nodal Center for Virtual Lab (V-Lab @ ANDC), an initiative of the Ministry of Education (MoE) under the aegis of the National Mission on Education through ICT (NMEICT). Currently, the College has generated simulators under Physical Science, Biological Science, Chemical Science and Computer Science domains.

File Description	Document
Appropriate web in the Institutional website	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

## 5. CONCLUSION

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### Additional Information :

The teachers of the college have been consistently recognized for their work by various state, national and international level agencies. Some of the notable awards and fellowships received by the faculty members in the last 5 years are:

- Fellow of the Royal Society of Chemistry (FRSC) - Prof. Gagan Dhawan (2020)
- Chartered Chemist by the Royal Society of Chemistry - Prof. Gagan Dhawan (2021)
- Meritorious Teachers Award (by Directorate of Higher Education, Govt. of NCT of Delhi) - Prof. Seema Gupta (2017), Prof. Seema Makhija (2018) and Prof. Charu Khosla Gupta (2020)
- INSA (Indian National Science Academy) Teachers Awards - Prof. Urmi Bajpai (2018) and Prof. Gagan Dhawan (2020)
- Fulbright Nehru Award - Dr. Mamta Bhatia (2017)
- International Education Excellence Award (by the Centre for Professional Advancement Continuous Education, CPACE) - Dr. Mamta Bhatia (2021)
- SERS (Scientific Educational Research Society) Women Scientist Award - Dr. Seema Gupta (2019)

The college has been designated as a Nodal Center for Virtual Lab, an initiative of the Ministry of Education (MoE) under the aegis of the National Mission on Education through ICT (NMEICT). Virtual lab can be accessed through the following link: <https://www.vlab.andcollege.du.ac.in>.

Besides facilitating open learning through Virtual Labs, the college also serves as a centre for holding exams for Indira Gandhi National Open University (IGNOU) and School of Open Learning (SOL). In addition to this, on June 08, 2021, the college was designated as a Learner Support Centre for IGNOU's Master of Commerce, Master of Arts (Hindi) and Bachelor in Science (General) programmes.

The college played a very active role in helping the society tide through the COVID pandemic. NSS@ANDC started a COVID helpdesk which provided useful leads about the availability of plasma, oxygen tanks and hospital beds. Moreover, a faculty member, Dr. Siddhartha was instrumental in setting up the 25 bedded Charitable Jai Bheem COVID-19 Isolation Centre.

The college provides financial assistance to needy and meritorious UG students via programmes such as SAKSHAM and many other fellowships like Abhinav Halen Scholarship, Krishna Toteja Memorial Scholarship, Urmil Gupta Scholarship and Ms. Teena Gupta Memorial Scholarship, to name a few.

### Concluding Remarks :

## **FUTURE PLANS OF THE COLLEGE**

- Better infrastructure - ANDC plans to improve its infrastructure in a big way. This includes efforts to speed up the process of construction of a new building on the land sanctioned by the Government of NCT of Delhi. The College then plans to construct more classrooms and research labs, an auditorium, staff quarters, hostel facility especially for girl students, etc.
- Improving the research profile of the College - ANDC plans to create a world class research hub. We envisage proffering hands-on research in cutting-edge areas of education and research by promoting interdisciplinary studies with a 'beyond the classroom' approach.
- Virtual labs - ANDC plans to create more content for virtual labs in all four of its domains: Physical Science, Biological Science, Chemical Science and Computer Science domains.
- National/international conferences, seminars and workshops- The College plans to organise national/international conferences, seminars and workshops to encourage skilled manpower training by producing more high quality researchers, entrepreneurs and graduates to ensure that the country reaps the returns from its investments in higher education and in turn help the economic growth of the country. These initiatives will help to generate ideas that will benefit society, and to educate and train people to work in fields where they will be valued both for their ability to work in collaborative spaces using their specialized knowledge, and for their ability to pursue research, communicate and solve real-life problems.
- More financial support for students - The college already offers some fellowships to needy students but would like to increase the number of such financial assistance schemes for students from disadvantaged sections of the society.
- Permanent appointments - The college administration would like to make permanent appointments of teachers at the earliest so as to make the teaching-learning process more effective.

## **CONCLUDING REMARKS**

ANDC works tirelessly to attain a dynamic equilibrium between its social, ecological and economic commitments. In the milieu of varying priorities, it offers focused guidance and an invigorating environment to its students so as to help them attain excellence in education and research while rendering technological service to the nation.

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.2.1	<p><b>Number of Add on /Certificate/Value added programs offered during the last five years</b></p> <p>Answer before DVV Verification : 14 Answer After DVV Verification :62</p>																				
1.2.2	<p><b>Percentage of students enrolled in Certificate/ Add-on/Value added programs as against the total number of students during the last five years</b></p> <p>1.2.2.1. <b>Number of students enrolled in subject related Certificate/ Add-on/Value added programs year wise during last five years</b> Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>122</td> <td>108</td> <td>156</td> <td>195</td> <td>273</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>122</td> <td>108</td> <td>156</td> <td>195</td> <td>273</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	122	108	156	195	273	2021-22	2020-21	2019-20	2018-19	2017-18	122	108	156	195	273
2021-22	2020-21	2019-20	2018-19	2017-18																	
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2021-22	2020-21	2019-20	2018-19	2017-18																	
122	108	156	195	273																	
1.3.2	<p><b>Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)</b></p> <p>1.3.2.1. <b>Number of students undertaking project work/field work / internships</b> Answer before DVV Verification : 1609 Answer after DVV Verification: 1609</p>																				
1.4.1	<p><b>Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website (Yes or No)</b></p> <p>Answer before DVV Verification : Yes Answer After DVV Verification: Yes</p>																				
2.1.1	<p><b>Enrolment percentage</b></p> <p>2.1.1.1. <b>Number of students admitted year wise during last five years</b> Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>939</td> <td>725</td> <td>574</td> <td>776</td> <td>704</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>939</td> <td>725</td> <td>574</td> <td>776</td> <td>704</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	939	725	574	776	704	2021-22	2020-21	2019-20	2018-19	2017-18	939	725	574	776	704
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2021-22	2020-21	2019-20	2018-19	2017-18																	
939	725	574	776	704																	

931	725	574	742	699
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**2.1.1.2. Number of sanctioned seats year wise during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
931	931	818	742	742

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
931	931	818	742	742

Remark : Input edited from supporting documents.

**2.1.2 Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (Exclusive of supernumerary seats)**

**2.1.2.1. Number of actual students admitted from the reserved categories year - wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
518	364	300	345	357

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
425	350	285	306	308

**2.1.2.2. Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
551	551	444	368	368

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
551	551	444	368	368

Remark : Input edited from supporting documents.

**2.4.2 Percentage of full time teachers with NET/SET/SLET/ Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for**

count)

**2.4.2.1. Number of full time teachers with NET/SET/SLET/Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
127	126	126	126	126

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
122	121	121	121	121

Remark : Input edited from data template.

**3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)****3.1.1.1. Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
96.63	40.71	41.38	35.56	20.99

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
93.81	38.82	41.32	32.46	20.99

**3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years****3.3.2.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
31	30	41	22	18

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
25	25	20	16	10



3.4.3	<p><b>Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) during the last five years</b></p> <p>3.4.3.1. <b>Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="308 510 1046 645"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>82</td> <td>56</td> <td>36</td> <td>14</td> <td>06</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="308 723 1046 857"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>82</td> <td>57</td> <td>36</td> <td>13</td> <td>06</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	82	56	36	14	06	2021-22	2020-21	2019-20	2018-19	2017-18	82	57	36	13	06
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2021-22	2020-21	2019-20	2018-19	2017-18																	
82	57	36	13	06																	
5.1.3	<p><b>Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years</b></p> <p>5.1.3.1. <b>Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="308 1137 1046 1272"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>183</td> <td>269</td> <td>498</td> <td>635</td> <td>200</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="308 1350 1046 1485"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>183</td> <td>269</td> <td>498</td> <td>635</td> <td>200</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	183	269	498	635	200	2021-22	2020-21	2019-20	2018-19	2017-18	183	269	498	635	200
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183	269	498	635	200																	
5.1.4	<p><b>The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases</b></p> <ol style="list-style-type: none"> <li>1. <b>Implementation of guidelines of statutory/regulatory bodies</b></li> <li>2. <b>Organisation wide awareness and undertakings on policies with zero tolerance</b></li> <li>3. <b>Mechanisms for submission of online/offline students' grievances</b></li> <li>4. <b>Timely redressal of the grievances through appropriate committees</b></li> </ol> <p>Answer before DVV Verification : A. All of the above Answer After DVV Verification: A. All of the above</p>																				
5.2.2	<p><b>Percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)</b></p>																				

**5.2.2.1. Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ Judicial Services/Public Prosecution services/All India Bar Exams/State government examinations) year wise during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
10	21	09	07	0

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
10	21	09	07	0

**5.2.2.2. Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year wise during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18

**5.3.1 Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years**

**5.3.1.1. Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
08	01	15	09	15

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
01	0	02	02	0

Remark : Only awards/medals for outstanding performance in sports/cultural activities at national/international level will be considered. Hence input edited accordingly.

**5.3.2 Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)**

**5.3.2.1. Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18

02	00	28	48	04
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Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
02	00	02	48	03

6.2.2

### Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: A. All of the above

6.3.2

### Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

#### 6.3.2.1. Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
57	16	1	16	15

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
47	14	1	10	15

6.3.3

### Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years

#### 6.3.3.1. Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
100	170	122	55	12

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
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46	64	29	23	8
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**6.3.3.2. Number of non-teaching staff year wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
109	109	109	115	117

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
110	110	110	110	110

6.5.2

**Quality assurance initiatives of the institution include:**

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
2. **Collaborative quality initiatives with other institution(s)/ membership of international networks**
3. **Participation in NIRF**
4. **any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA, ISO Certification etc**

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: A. All of the above

7.1.3

**Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following**

1. **Green audit / Environment audit**
2. **Energy audit**
3. **Clean and green campus initiatives**
4. **Beyond the campus environmental promotion activities**

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: A. All of the above

## 2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p><b>Number of students year wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <tr> <td>2021-22</td> <td>2020-21</td> <td>2019-20</td> <td>2018-19</td> <td>2017-18</td> </tr> <tr> <td>2218</td> <td>2061</td> <td>2048</td> <td>2165</td> <td>1996</td> </tr> </table> <p>Answer After DVV Verification:</p> <table border="1"> <tr> <td>2021-22</td> <td>2020-21</td> <td>2019-20</td> <td>2018-19</td> <td>2017-18</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	2218	2061	2048	2165	1996	2021-22	2020-21	2019-20	2018-19	2017-18					
2021-22	2020-21	2019-20	2018-19	2017-18																	
2218	2061	2048	2165	1996																	
2021-22	2020-21	2019-20	2018-19	2017-18																	

2274	2061	2048	2165	1996
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2.1	<b>Number of teaching staff / full time teachers during the last five years (Without repeat count):</b> Answer before DVV Verification : 164 Answer after DVV Verification : 129
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