Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**ACHARYA NARENDRA DEV COLLEGE**
Name of the head of the Institution	**Prof. Ravi Toteja**
Designation	**Principal(in-charge)**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**01126294540**
Mobile no.	**9811675982**
Registered Email	**principal@andc.du.ac.in**
Alternate Email	**spaprincipal@andc.du.ac.in**
Address	**Acharya Narendra Dev College, Govindpuri, Kalkaji, New Delhi-19**
City/Town	**New Delhi**
State/UT	**Delhi**
Pincode	**110019**

2. Institutional Status

Affiliated / Constituent	**Constituent**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**state**
Name of the IQAC co-ordinator/Director	**Dr. Sada Nand Prasad**
Phone no/Alternate Phone no.	**01126294540**
Mobile no.	**9711969937**
Registered Email	**iqac@andc.du.ac.in**
Alternate Email	**sadanandprasad@andc.du.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.andcollege.du.ac.in/iqac/aqar

4. Whether Academic Calendar prepared during the year

Yes

if yes,whether it is uploaded in the institutional website: Weblink :	https://www.andcollege.du.ac.in/uploads/studentscorner/Rev_Academic%20Calendar_All_Sem_compressed.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.31**	**2016**	**29-Mar-2016**	**28-Mar-2021**

6. Date of Establishment of IQAC

31-Oct-2014

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

Training on e-filing of ITR	29-Jul-2019 1	45	
Talk on IPR & career opportunity	02-Aug-2019 1	50	
UGC-Paramarsh	06-Sep-2019 365	100	
Adoption of rural areas under Unnant Bharat Abhiyan	28-Dec-2019 365	150	
[View File](#)			

8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Acharya Narendra Dev College, University of Delhi	UGC Paramarsh	UGC	2019 365	1494000
Prof. Sarita Kumar	Developing and documenting innovative practices for learning physics & biology through experimentation for children & young adults	Ministry of Science & Technology, Department of Science & Technology	2018 730	735000
Prof. Sarita Kumar	OER awareness and adoption in Indian Higher Education: A short survey	Creative Commons Global Network, USA	2020 90	64280
Prof. Urmi Bajpai	An investigational study on Mycobacteriophages and their enzymes as new drugs (IND) for treating tuberculosis	Indian Council of Medical Research, India	2019 1095	1135600
Prof. Urmi Bajpai	Recombinant endolysins from mycobacteriophages: exploring their anti-Mycobacterial potential	SERB-DST	2018 1095	1556733

9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	
10. Number of IQAC meetings held during the year :	**1**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**Yes**
If yes, mention the amount	**1494000**
Year	**2019**

12. Significant contributions made by IQAC during the current year(maximum five bullets)

1. UGC Paramarsh Scheme 2. Unnat Bharat Abhiyan 3. SWAYAM NPTEL Local Chapter is established in college 4. Workshop Conducted for Students 5. Registration in Internal Biosafety Committee

13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
UGCParamarsh Scheme	**Launching of Paramarsh, a UGC Scheme was granted to the College for mentoring NAAC accreditation aspirant institutions to promote quality assurance in higher education. Under this scheme, the College has been sanctioned an amount of Rs 30,00,000 by UGC.**
Unnat Bharat Abhiyan	**College initiated the mission of Unnat Bharat Abhiyan. This scheme is to enable higher educational institutions to work with the people of rural Indian identifying development challenges and**

	evolving appropriate solutions for accelerating sustainable growth. Under this scheme College has adopted five villages.
SWAYAM NPTEL Local Chapter is established in college.	466 students and faculty from different departments of the college registered for various online NPTEL courses.
Workshop Conducted for Students	Interdisciplinary workshop 'Learning Science by Doing Science' in collaboration with Departments of Botany, Zoology and Chemistry under the aegis of DBT-STAR College programmeat Acharya Narendra Dev College, University of Delhi on June18-22, 2019 Inter-college hands-on workshop on 'Surface Plasmon Resonance (SPR) and UV-Visible Spectroscopy: Basic workingprinciple and Environmental Applications' at Acharya Narendra Dev College, University of Delhi from August 23-27, 2019 Two-day workshop on "Hands-on to computational biology for (meta)genomic analysis" held at Web Centre, Acharya Narendra Dev College, University of Delhi from April 4-5, 2019 Workshop on PYTHON was organized for students of Electronics in association with industry Partner Coding Blocks at Acharya Narendra Dev College, University of Delhi on April 3, 2019 Five-day workshop on Empowering teachers: Current technology based educational contents creation and delivery (using open source, free software) under Internal Quality Assurance Cell at Acharya Narendra Dev College, University of Delhi from December 2-6, 2019. A Mega Event of one-day interdisciplinary exhibit cum workshop 'new frontiers in science' was organized in the college under the aegis of DBT Star College Scheme organized on October 22,2019.
Internal Biosafety Committee	From this year, College has registered Internal Biosafety Committee
[View File](#)	

14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
IQAC	07-Dec-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	11-Mar-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	Enterprise resource planning (ERP) system from Tata Consultancy Services (TCS) has eased the functioning of the library with automatic issue and return of books without human interface, online attendance marking and hence concurrent availability of attendance data to students, regular messaging and emails to students regarding any information for them to act upon, maintenance of administrative data and accounts and facility for generating diverse data. Further, ERP has permitted online fee payment services with added transaction security since all receipts are generated in the digital mode by the College. Besides admission fees, other kinds of studentcentric payments including registration fee for workshops/conferences, enrolment for addon courses, Library fine, etc. are also paid online. Each student's unique 'dashboard' on the ERP provides details of his/her attendance as well as internal assessment marks in realtime. We make doubly sure that information reaches students through the groupemail and SMS facility that is integrated within the ERP system. Reaching out to students (and getting their feedback) in their classes, tutorial or practical groups, societies, committees and clubs is eased using this integration. Personal notices to students, announcements of various activities/ Scholarship / Fellowships schemes/ ELITE/ EXPLORE/ SAKSHAM, other information useful to students shared by the faculty or the Principal also appear on the dashboard. Students can

apply/register for any of the internal scholarships, or any workshop/ conference/activity through the system. Besides, Learning Exchange feature on ERP enables availability of previous years' question papers, econtent, power point presentations, ELITE reports etc. Students can exercise their choice and apply for their optional GE, SEC, DSE papers too using the ERP. The system is also used for holding Students' Council elections online. Students' registrations, in the Placement Cell and in various campus recruitment drives and processes are also enabled through the featurerich ERP. An exclusive 'Helpdesk Facility' to the students to report any problems related to various facilities in the college like canteen, fans/lights, library, drinking water, etc. is also enabled. ERP automatically identifies Final year students as Alumni every year and information about Reunions/programmes are regularly sent to them via emails over the years.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

At Acharya Narendra Dev College (ANDC), the regular student-centric teaching-learning experience is enhanced with interactive ICT tools besides hands-on workshops buttressing syllabi prescribed practical sessions. Tutorials, continuous internal assessment and mentor-mentee interactions are used to identify students' learning difficulties and special needs. Every student is provided adequate support through remedial / bridge courses to help them come to speed. Fully Wi-Fi enabled campus and excellent student-computer ratio besides option to issue personalized laptops gives an additional academic boost. Regular monitoring and timely procurement has ensured students having necessary course material besides hands-on training on state-of-the-art laboratory instruments. Constraints of frequent syllabi revisions over the last few years have been overcome with peer support and formal capacity building programmes that has kept the faculty adequately motivated, oriented and professionally enabled. Hence, within the curricular constraints of University of Delhi, ANDC has taken proactive steps to reinvent regular classroom teaching by way of fortifying it with customized enabling experiences to help each student attain wholesome education, besides accomplishing generic goals including specific course objectives and learning outcomes.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development

| NIL | NIL | Nil | 0 | NIL | NIL |

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	NIL	Nill

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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
Nill	NIL	Nill

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	0	0

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
NIL	Nill	0

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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
Nill	NIL	0

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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	No
Teachers	No
Employers	No
Alumni	No
Parents	No

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
NIL

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled

BSc	Biomedical Science	55	0	45
BSc	Botany	55	0	27
BSc	Chemistry	55	0	43
BSc	Computer Science	55	0	54
BSc	Electronics	55	0	49
BSc	Mathematics	55	0	59
BSc	Physics	55	0	44
BSc	Zoology	55	0	46
BCom	Commerce	110	0	97
BSc	Life Science	50	0	35

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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	625	20	129	0	0

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
129	129	18	25	25	8

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The College continually strives for a fundamentally enriched teaching methodology that includes mandatory assessment of students, personalized tutoring/mentoring of students, active learning activities within the classroom, and classroom assessment techniques to provide non-graded feedback resulting in changed student learning behaviors. Additionally, at the beginning of each year, teachers are appointed as mentors to the college students. The mentors interact continuously with their mentees throughout the year encouraging them to excel in curricular as well as extra-curricular activities. The students are deeply appreciative of the contributions made by their mentors towards their growth as students as well as decent and responsible citizens of the country.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2007	129	1:16

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
129	129	0	5	95

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Arijit Chowdhuri	Professor	Invited Speaker for Measuring pollution at Spodnja Šiška Elementary School, Ljubljana, SLOVENIA
2019	Dr. Sarita Kumar	Professor	Anil Sadgopal Award, Homi Bhabha Centre For Science Education, Tata Institute of Fundamental Research, Mumbai
2020	Dr. Sarita Kumar	Professor	Invited Speaker for talk by Vindhyan Ecology Natural History Foundation
2020	Dr. Sarita Kumar	Professor	Live teleconference, IGNOU
2019	Dr. Sarita Kumar	Professor	Editorial Convener, National Conference, Deshbandhu College
2020	Dr. Sarita Kumar	Professor	Invited Speaker, National Conference, Deshbandhu College
2020	Dr. Monica Misra	Associate Professor	Member, Interim Working Group, IoE, DU
2020	Dr. Yasheshwar	Associate Professor	Chairperson, Technical Session of SFEC 2020

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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end

					examination
BCom	504	VI / III	22/08/2020	27/10/2020
BSc	556	VI / III	22/08/2020	27/10/2020
BSc	557	VI / III	22/08/2020	24/10/2020
BSc	558	VI / III	22/08/2020	25/10/2020
BSc	563	VI / III	22/08/2020	15/11/2020
BSc	567	VI / III	22/08/2020	13/11/2020
BSc	570	VI / III	22/08/2020	27/10/2020
BSc	569	VI / III	22/08/2020	26/10/2020

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

At the beginning of the academic year, the College organizes an Orientation day for the new students in which a detailed presentation is provided to acquaint each student with the attendance rules and internal assessment criteria. To facilitate online marking of attendance and uploading of internal assessment assignments, the College provided the College faculty with smart tablets. This helps the faculty keep up the quality of the teaching-learning process. This also makes the process of evaluating the internal assessments fair and transparent. Further, the College uses Enterprise Resource Planning (ERP) which allows for marking of students' attendance online. ERP also enables the faculty to conduct internal assessment online. An additional benefit of the ERP is that it helps the faculty undertake the internal assessment process continuously throughout the semester. Finally, the semester attendance as well as internal assessment are made available to the students on their ERP dashboards so that the students can keep cross-checking their records in real time and report errors, if any.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

As a constituent college of the University of Delhi, ANDC adheres to the academic calendar and examination schedule announced by the University regarding teaching-learning, examinations, and Summer and Winter vacations besides two mid-semester breaks. Further, ANDC regularly updates students with notices for internal assessment, library and laboratory clearance procedures besides facilitating issuance of examination hall tickets etc. Students are also notified about the mentor – mentee lists that help them to discuss their problems with a dedicated faculty member and find solutions. Notices for Summer Projects (under ELITE flagship scheme) besides those with external laboratories and/or companies are published online as well as offline. The same provides information about the projects available under faculty members from different streams, their basic requirements, duration and details about stipends.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://www.andcollege.du.ac.in/courses/undergraduate

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year	Number of students passed in final year examination	Pass Percentage

			examination		
554	BSc	Biomedical Science	42	42	100
556	BSc	Botany	40	40	100
557	BSc	Chemistry	44	44	100
570	BSc	Computer Science	52	52	100
558	BSc	Electronics	45	43	100
563	BSc	Mathematics	53	53	100
567	BSc	Physics	52	52	100
569	BSc	Zoology	44	44	100
504	BCom	Commerce	103	103	100
583	BSc	Life Science	58	58	100
			[View File](#)		

2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://www.andcollege.du.ac.in/studentcorner/studentsatisfactiondurvey

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	365	UGC	14.94	14.94
Major Projects	750	Ministry of Science Technology, Department of Science Technology, India	14.75	7.35
Minor Projects	90	Creative Commons Global Network, USA	0.64	0.64
Interdisciplinary Projects	365	DBT	19.78	19.78
Students Research Projects (Other than compulsory by the University)	60	ELITE, ANDC	2.13	2.13
		[View File](#)		

3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Workshop on "Machine Learning Using Python"	Department of Computer Science	04/03/2020
Workshop on "Arduino"	Department of Electronics	07/09/2019
Workshop on Raspberry Pi automation system.	Department of Electronics	03/03/2020
Workshop on Robotics "Robo Race"	Department of Electronics	03/03/2020
Workshop on Optical Colour Mixing	Electronics	09/08/2019
Workshop on Pyrobot (Code in Python to program EV3 robots)	Department of Electronics	11/02/2020
Workshop on "LabView": Hands-on exposure to Virtual Instrumentation and LabView	Department of Electronics	23/06/2020
Workshop on Learning Science The "Do it Yourself Way"	Botany and Zoology	17/07/2019
Workshop on "Foldscope" on "Unravel the Microbial World"	Botany and Zoology	09/09/2019
Workshop on "Empowering teachers: Current technology based educational contents creation and delivery" (using open source, free software)	Botany and Chemistry	02/12/2019
Workshop on "Linux and FOSS"	Computer Science	16/09/2019
Workshop on "Surface Plasmon Resonance (SPR) and UV-Visible Spectroscopy: Basic working principle and Environmental Applications"	Botany and Physics	23/08/2019
Workshop "Learning Molecular Biology Techniques"	Biomedical Sciences and Zoology	24/09/2019
Workshop on "Molecular Biology Techniques"	Biomedical Sciences and Zoology	22/11/2019
Workshop on "Techniques in Molecular Microbiology"	Biomedical Sciences and Zoology	25/02/2020

Workshop on "Usage of google conferencing tools"	Biomedical Sciences	12/06/2020
One Day Interdisciplinary Exhibit Presentation New Frontiers in Science	Biomedical Sciences, Chemistry, Computer Science, Electronics, Physics, Zoology,	22/10/2019
Invited Talk on "Autonomous Navigation with Intelligent Camera for Space and Earth"	Physics	15/10/2019
Technical Talk on "IOT and Connectivity Solution"	Electronics	03/03/2020
Lecture on "Biomedical Research in India: from a Rat Race to Taking-up the Real Challenge of Combating Disease"	Botany	25/09/2019
Bioprospecting: "A Path from Ecology to Entrepreneurship"	Botany	25/09/2019
Lecture on "Hitchhikers guide to Integrative System Biology"	Botany	25/02/2019
Lets Talk Session on "Stock Markets"	Commerce	17/01/2020
Webinar on Mycobacteriophages: Diversity, Dynamics and Therapy	Biomedical Sciences	17/06/2020
Webinar on Deciphering the language of DNA	Biomedical Sciences	15/05/2020
Webinar on COVID 19- Truths and Myths	Biomedical Sciences	09/06/2020
Webinar on Our Environment and COVID-19	Biomedical Sciences and Chemistry	05/06/2020
Technical Talk on System Automation and HA Clustering	Computer Sciences	07/11/2019
Webinar on Unravelling The Social Network Of Covid-19 In India	Computer Science	15/06/2020
Webinar: "The Growth of Linnean thought: Impact of common descent and current understanding"	Zoology	11/05/2020
Covid 19 Impact: Strategies for Education and Challenges in Virtual Learning'	Chemistry	20/05/2020

Materials for Future Generation Photovoltaic Solar Cells	Physics	05/03/2020
Science Setu, Typhoid Diagnostics, Innovation in Diagnostics	Biomedical Sciences	25/02/2020
Do I see myself doing science	Physics	09/01/2020
Seminar on Intellectual Property Rights (IPR) Patents	Chemistry	07/11/2019
Quartz Crystal Microbalance (QCM) for environmental monitoring and gas detection	Physics	12/09/2019
Unravel the Microbial World	Zoology	09/09/2020
Protecting wildscapes in Contemporary India	Zoology	30/08/2019
BMS Alumni Lecture Series: An Interactive Session on Science Communication	Biomedical Sciences	28/08/2019
BMS Alumni Lecture Series: An interactive session on - Transition from a "Cancer Researcher" to an "Engineer" and finally a "Manufacturer-Salesman"	Biomedical Sciences	14/08/2019
An interactive session on Drug Discovery against MDR Microbes	Biomedical Sciences	14/08/2019

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Measuring pollution at Spodnja Šiška Elementary School	Dr Arijit Chowdhuri	Ljubljana, SLOVENIA	25/11/2019	Invited Speaker
Popularization of Science and Contribution to Science Outreach	Dr Sarita Kumar	HBCSE-TIFR, Mumbai	30/10/2019	Anil Sadgopal CUBE Award, 2019
Talk on ?????? ?? ???????????? - The Ecology of Locusts'	Dr Sarita Kumar	Vindhyan Ecology and Natural History Foundation	03/05/2020	Invited Speaker

Popularization of Science and Contribution to Science Outreach	Dr Sarita Kumar	IGNOU, New Delhi	29/01/2021	Speaker
Edited proceedings of National Conference on Insect Plant Biology in 21st Century	Dr Sarita Kumar	Deshbandhu College, University of Delhi	04/11/2019	Editor
Talk on Acetamiprid resistance in Aedes aegypti: Evaluation of metabolic detoxification and target site mutations as defense mechanisms.	Dr Sarita Kumar	Deshbandhu College, University of Delhi	27/02/2020	Invited Speaker
Interim Working Group on Institution of Eminence (IoE), University of Delhi	Dr Monica Misra	University of Delhi	02/06/2020	Member
Recognition	Professor Charu Khosla Guptaa	6th International Conference on Education 2020 (ICEDU - 2020) held from 3 – 5 April, 2020 at Bangkok, Thailand	05/04/2020	Scientific Committee member and Judge
Recognition	Professor Charu Khosla Gupta	OŠ Spodnja Šiška elementary school in Ljubljana, SLOVENIA as a part of CitieS-Health H 2020 project and INSA/SAZU bilateral exchange programme	26/09/2019	Invited Speaker
Recognition	Dr Yash Mangla,	Summer training	21/07/2019	Invited Speaker and

		programme in Microscopy and Herbarium Techniques organised by Department of Botany, Shivaji College, University of Delhi			Resource Person

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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nil	Nil	Nil	Nil	Nill

No file uploaded.

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Zoology	1

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	BMS	1	6.9
International	Mathematics	1	7.8
International	Chemistry	1	5.4
International	Zoology	1	5.4
International	Physics	1	4.0
International	Electronics	1	1.8
International	Computer Science	1	3.7

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Computer Science	3
Electronics	3
Zoology	20
Botany	6
English	4
BMS	5

Physics	3
Mathematics	1
Chemistry	2
[View File](#)	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Optimizing synthesis of Citrus limetta peel silver nanocomposites possessing larvicidal potential against dengue vector, Aedes aegypti L.	Aggarwal, D., Sharma, A., Kumar, S.	Advances in Zoology and Botany	2020	14.02	Department of Zoology, Acharya Narendra Dev College, University of Delhi, KalkaJi, New Delhi 110019, India	14
One pot synthesis of silver nano-composites from Achyranthes aspera: An eco-friendly larvicide against Aedes aegypti L.	Sharma, A., Tripathi, P., Kumar, S.	Asian Pacific Journal of Tropical Biomedicine, 10(2): 54-64.	2020	14.02	Department of Zoology, Acharya Narendra Dev College, University of Delhi, KalkaJi, New Delhi 110019, India	9
Effect of dietary stress of emamectin benzoate on the Fitness Cost of American Bollworm, Helicoverpa armigera (Hübner,	Dagar, V.S., Mishra, M., Kumar, S.	International Journal of Tropical Insect Science	2020	14.02	Department of Zoology, Acharya Narendra Dev College, University of Delhi, KalkaJi, New Delhi 110019,	4

1808).					India		
Green synthesis of TiO2 nanosheet by chemical method for the removal of Rhodamin B from industrial waste Rhodamin B from industrial waste	Sonker R.K., Hitkari G, Sabhajeet S.R., Sikarwar S., Rahul, Singh S.	Materials Science Engineering B	2020	10	Department of Physics and Astrophysics, University of Delhi, Delhi, 110007, India		10
Effects of ?-sitosterol on growth, development and midgut enzymes of Helicoverpa armigera Hübner.	Mishra, M., Sharma, A., Dagar, V.S., Kumar, S.	Archives of Biological Sciences, 72(2), 271-278	2020	14.02	Department of Zoology, Acharya Narendra Dev College, University of Delhi, KalkaJi, New Delhi 110019, India		3
Exploitation of potential bioactive compounds from two soil derived actinomycetes, Streptomyces sp. strain 196 and RI.24	Kumar, P., Kundu, A., Kumar, M., Solanki, R., Kapur, M.K.	Microbiological Research	2019	20.11	Microbial Technology Lab, Acharya Narendra Dev College, University of Delhi, New Delhi, 110 019, India		15
Potential applications of extracellular enzymes from Streptomyces spp. in various industries	Kumar, M., Kumar, P., Das, P., Solanki, R., Kapur, M.K.	Archives of Microbiology	2020	20.11	Microbial Technology Lab, Acharya Narendra Dev College, University of Delhi, New Delhi,		14

					110 019, India	
Expression and molecular characterizationof stress-responsive genes (hsp70 and Mn-sod) and evaluation of antioxidant enzymes (CAT and GPx) in heavy metal exposed freshwater ciliate, Tetmemena sp.	Somasundaram, S., Abraham, J.S., Maurya, S., Toteja, R., Gupta, R., Makhija, S.	Molecular Biology Reports, 46: 4921-4931	2019	11.31	Ciliate Biology Laboratory, Department of Zoology, Acharya Narendra Dev College, University of Delhi, Govindpuri, Kalkaji, New Delhi, 110019, India	12
Symposium Report: International Symposium on Ciliate Biology, India Habitat Centre, New Delhi, India, 04-06 April 2018	Kamra, K., Kaur, H., Abraham, J.S., Soma sundaram, S., Makhija, S., Toteja, R., Warren, A., Gupta, R.	Journal of Eukaryotic Microbiology, 67	2019	11.31	Ciliate Biology Laboratory, Department of Zoology, Acharya Narendra Dev College, University of Delhi, Govindpuri, Kalkaji, New Delhi, 110019, India	1
Synthesis, DFT studies, molecular docking, antimicrobial screening and UV fluorescence studies on ct-DNA for	Singhal, S., Khanna, P Khanna, L.	Heliyon, 5: e02596	2019	20.85	Department of Chemistry, Acharya Narendra Dev College, University of Delhi, Kalkaji, New Delhi, 110019,	14

novel Schiff bases of 2-(1-aminobenzyl) benzimidazole						India

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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Extraction of admittance parameters of symmetrically doped AlGaN/GaN/AlGaN DH-HEMT for microwave frequency applications.	Chugh, N., Kumar, M., Bhattacharya, M., Gupta, R. S.	Microsystem Technologies	2020	6	2	Department of Electronics, Acharya Narendra Dev College, University of Delhi
Transient setting of relativistic ponderomotive non-linearity and filamentation of ultra-short laser pulses in collisionless plasmas	Sharma, R.P., Kumar, N., Uma, R., Singh, R.K., Gupta, P.K.	Laser and Particle beams	2019	5	1	Centre for Energy Studies, Indian Institute of Technology, Delhi, 110016, India
Green synthesis of TiO2 nanosheet by chemical method for the removal of Rhodamin B from industrial	Sonker R.K., Hitkari G, Sabhajeet S.R., Sikarwar S., Rahul, Singh S.	Materials Science Engineering B	2020	18	10	Department of Physics and Astrophysics, University of Delhi, Delhi, 110007, India

waste Rhodamin B from industrial waste						
Optimizing synthesis of Citrus limetta peel silver nanocomposites possessing larvicidal potential against dengue vector, Aedes aegypti L.	Aggarwal, D., Sharma, A., Kumar, S.	Advances in Zoology and Botany	2020	15	14	Department of Zoology, Acharya Narendra Dev College, University of Delhi, KalkaJi, New Delhi 110019, India
Effects of ?-sitosterol on growth, development and midgut enzymes of Helicoverpa armigera Hübner.	Mishra, M., Sharma, A., Dagar, V.S., Kumar, S.	Archives of Biological Sciences, 72(2), 271-278	2020	15	3	Department of Zoology, Acharya Narendra Dev College, University of Delhi, KalkaJi, New Delhi 110019, India
Exploitation of potential bioactive compounds from two soil derived actinomycetes, Streptomyces sp. strain 196 and RI.24	Kumar, P., Kundu, A., Kumar, M., Solanki, R., Kapur, M.K.	Microbiological Research	2019	8	15	Microbial Technology Lab, Acharya Narendra Dev College, University of Delhi, New Delhi, 110 019, India
Potential applications of extracellular enzymes from Strep	Kumar, M., Kumar, P., Das, P., Solanki, R., Kapur, M.K.	Archives of Microbiology	2020	8	14	Microbial Technology Lab, Acharya Narendra Dev

tomyces spp. in various industries						College, University of Delhi, New Delhi, 110 019, India
Expression and molecular characterizationof stress-responsive genes (hsp70 and Mn-sod) and evaluation of antioxidant enzymes (CAT and GPx) in heavy metal exposed freshwater ciliate, Tetmemena sp.	Somasundaram, S., Abraham, J.S., Maurya, S., Toteja, R., Gupta, R., Makhija, S.	Molecular Biology Reports, 46: 4921-4931	2019	8	12	Ciliate Biology Laboratory, Department of Zoology, Acharya Narendra Dev College, University of Delhi, Govindpuri, Kalkaji, New Delhi, 110019, India
Symposium Report: International Symposium on Ciliate Biology, India Habitat Centre, New Delhi, India, 04-06 April 2018	Kamra, K., Kaur, H., Abraham, J.S., Soma sundaram, S., Makhija, S., Toteja, R., Warren, A., Gupta, R.	Journal of Eukaryotic Microbiology, 67: 296-299	2019	8	1	Ciliate Biology Laboratory, Department of Zoology, Acharya Narendra Dev College, University of Delhi, Govindpuri, Kalkaji, New Delhi, 110019, India
Synthesis, DFT studies, molecular docking, antimicrobial screening	Singhal, S., Khanna, P Khanna, L.	Heliyon, 5: e02596	2019	10	14	Department of Chemistry, Acharya Narendra Dev College, University

				of Delhi, Kalkaji, New Delhi, 110019, India

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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	19	26	1	2
Presented papers	1	1	2	0
Resource persons	0	3	2	0

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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Assistance in Undergraduate Admission process in ANDC (for a month- June 2019 to July 2019)	NSS@ANDC	2	15
Charcha for Change:Climate Chapter (Aug 05, 2019)	Josh Talks and UNDP at India Habitat Centre	2	15
Workshop on Tobacco control and Prevention of Tobacco Induced Cancer (August 22, 2019)	NSS @ANDC and Sambandh NGO	2	74
Plantation drive in the college campus	NSS @ANDC	2	55
Door to door cleanliness awareness campaigns in areas adjoining College and Adopted slums (August 6-8,	NSS @ANDC	2	55

2019)			
Cleanliness drive in adopted slums	NSS @ANDC	2	55
Charcha for Change:Climate Chapter	Josh Talks and UNDP at India Habitat Centre	2	15
Visit to NGO Goonj (Aug 10, 2019)	NSS @ANDC	2	10
Workshop on Tobacco control and Prevention of Tobacco Induced Cancer (August 22, 2019)	NSS @ANDC and Sambandh NGO	2	74
Food distribution drive to poor people near college (August 23, 2019)	NSS @ANDC	2	14
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Nil	Nil	Nil	0
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Charcha for change :Climate chapter, August 5, 2019	NSS unit ANDC and Josh talk NGO with UNDP	Climate change awareness	2	15
Swachchta Pakhwara,August 01-15, 2019	NSS unit ANDC	Swachchta Pakhwara	2	150
Tobacco control and Prevention of Tobacco Induced Cancer,August 22,2019	NSS unit ANDC with ngo Sambandh	Discussion Session on 'Eradicating Corruption: Build a New India'	2	50
Anemia Health checkup camp,October 16,2019	Integrated District Health Society of South East district of Delhi	Discussion on causes, prevention and treatment of Anemia	2	10
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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Nil	Nil	Nil	0

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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Nil	Nil	Nil	Nill	Nill	Nil

No file uploaded.

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Thsti Department of Biotechnology	04/07/2016	The Science Setu Programme approved by the Governing Body of the THSTI aims to contribute to the national goal of encouraging more and more bright young minds to take up the pursuit of science and technology as a career option. Ac	1
Society of Photo- Optical Instrumentation Engineers (SPIE)	06/08/2010	1. Provide activity grant to carry out various activities like Student project, talks, workshops,etc. 2. Provides officer travel grant to student member to attend leadership program and conference at San Diego. Activities : 1. Wonders of	5
International Bacteriophage Research Consortium	18/11/2018	IBRC webinar by Prof Graham Hatfull, Eberly	11

	Family Professor of Biotechnology and HHMI Professor in the Department of Biological Sciences at the University of Pittsburgh, USA on "Mycobacteriophages: Diversity, Dynamics and Therapy".	
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
123.4	35.41

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
TCS ion	Fully	Enterprise Resource Planning	1994

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	32527	12610409	692	402823	33219	13013232

e-Books	3137609	0	0	0	3137609	0
Journals	481	753545	25	44016	506	797561
e-Journals	46247	0	0	0	46247	0
Digital Database	140	0	0	0	140	0
CD & Video	950	0	14	0	964	0
Library Automation	1	2400000	0	0	1	2400000
Weeding (hard & soft)	1653	229665	0	0	1653	229665

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
NIL	NIL	NIL	Nill

No file uploaded.

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1278	4	1	1	1	2	13	100	2
Added	0	0	0	0	0	0	0	0	0
Total	1278	4	1	1	1	2	13	100	2

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Dr Sarita Agarwal	https://wikieducator.org/User:Sarita_agarwal

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites

112.12	112.12	15.56	15.56

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

ANDC has a lush green sports ground coupled with outdoor and indoor sports facilities. The college has an air conditioned indoor Fitness Centre equipped with free weight and cardio training equipment including motorized treadmill, cross-trainer, and bicycle that cater to the needs of students and staff. The college ensures that available financial resources are optimally allocated and utilized through dedicated committees constituted for specific objectives. Finance committee working in tandem with Bursar and Accounts oversees all kinds of purchases [including but not limited to laboratories (recurring as well as non-recurring), library, sports, IT etc.] in the college while following latest GeM procedures and/or General Financial Rules notified by Govt. of India. The sports committee ensures proper maintenance and upkeep of sports infrastructure including upgradation of existing facilities. IQAC of the college ensures upkeep of physical and mental faculties of all the stakeholders by way of conducting various workshops, conferences (National / International), FDPs and introducing add-on courses from time-to-time. Mental well-being of the stakeholders in the college is ensured by the Grievance committee that looks into unfair treatment meted out while more issues of serious nature are taken care of by Internal Complaints Committee of the college having internal as well as external members. The IT committee working in synchronization with College Admin and Bursar ensures that the IT hardware (including but not limited to laboratories, library, sports, classrooms etc.) of the institution remains up to date while the Website committee ensures regular uploads of data onto the college website. In order to manage humongous data the website committee also utilizes cloud computing services. The sports committee besides helping with regular upgradation and upkeep of sports infrastructure also ensures providing regular monitoring and feedback to groom college athletes. This is done with extensive usage of GoPro9 camera which features 5K video and 20 megapixel photos besides advanced video stabilization. As per norms notified by the Government, security of the college is outsourced. However the same is monitored at all levels with the help of EPBAX system, CCTV coverage and Wi-Fi networks.

https://www.andcollege.du.ac.in/infrastructure/infrastructure

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Abhinav Halen Scholarship, Asha Walia Memorial Scholarship, Dr. Saumya Saxena Memorial Scholarship, Elite Project, Krishna Toteja Memorial Scholarship, SAKSHAM Fellowship, Savithri Singh Research Award Fund, Sultan Chand	147	566000

	Memorial Scholarship		
Financial Support from Other Sources			
a) National	Prize merit Scholarship, Science Meritorious Scholarship	17	87000
b)International	NIL	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Molecular Biology Techniques	22/11/2019	56	Department of Zoology
One Day Exhibit Presentation: New Frontiers in Science	22/10/2019	150	DBT Star Scheme, Acharya Narendra Dev College
Invited Talk: Autonomous Navigation with Intelligent Camera for Space and Earth	15/10/2019	100	Prof. Marija Strojnik, AstroPhysicist and Distinguished Lecturer, Optical Research Center, Mexico
Learning Molecular Biology Techniques	24/09/2019	88	Department of Biomedical Sciences and Department of Zoology
Linux and FOSS	19/09/2019	740	Department of Computer Science
Unravel the Microbial World, Foldscope	09/09/2019	44	Department of Botany and Department of Zoology
Arduino Workshop: A hands-on workshop to familiarize students with programming and designing automated systems using arduino.	07/09/2019	100	SPIE ANDC Student Chapter Faculty Advisor: Dr. Amit Garg
Surface Plasmon Resonance (SPR) and UV-Visible Spectroscopy: Basic working principle and Environmental Applications	27/08/2019	123	Department of Botany

An interactive session on science communication	28/08/2019	67	Dr Shruti Murlidhar, Postdoctoral Research Associate, Picower Institute, MIT, USA Core Member, IndiSciComm Mr. Abhishek Chari, Contributing editor Co-founder, IndiSciComm
Workshop: Optical Color Mixing	09/08/2019	110	SPIE ANDC Student Chapter Faculty Advisor: Dr. Amit Garg

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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Opportunities in Assurance by EY GDS	0	86	0	70
2019	Opportunities as Financial Analyst in IT Industry by Wipro	0	92	0	70
2019	Opportunities in Customer Service & Operations Analysts by Royal Bank of Scotland	0	105	0	70
2019	How to Earn while Learn by Wipro under its flagship programme Wipro WILP Programme	0	112	0	70
2019	Opportunities in BPO (Business Process	0	103	0	70

Outsourcing) by Concentrix Daksha					
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
EY Global Delivery Services Concentrix Daksha Service India Pvt Ltd. Royal Bank of Scotland	213	70	NIL	0	0
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	2	B.COM (Hons.)	Commerce	University of Delhi	M.Com.
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
CAT	1
Any Other	8
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Wazir: Chess Championship	Institution	14
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5.3 – Student Participation and Activities

5.3.1 – 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	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	1st Position	National	Nill	11	17ANDCBC OH000072 1 7ANDCBSPH0 00039	Rohit Kumar Satyam Dubey
2019	2nd Position	National	Nill	1	20ANDCBC OH000048; 19ANDCBGLS 000023	Karan Bhar; Pooja Rai
2019	3rd Position	National	Nill	2	17ANDCBC OH000072 1 7ANDCBSPH0 00039	Rohit Kumar Satyam Dubey

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

ANDC consistently puts its students in the limelight since they are its most important stakeholders. ANDC has never failed to urge students to expand their horizons by permitting and assuring their proper, conscientious, and determined representation in its academic and administrative organizations and committees. Student members are given due recognition by making them integral part of the college Internal Complaints Committee, SPIC MACAY, Canteen Committees, Grievance Redressal Committee, SASHAKT. Direct student involvement is also there in various societies including Photography and Dance. In addition to this, every year, at the start of the admissions process, a team of student volunteers and teachers is assembled, and a unique helpdesk is established to answer applicants questions and guide them through the admissions procedure. All enrolled students of ANDC are de-facto members of Acharya Narendra Dev Students Council. Principal of the College is the chief patron of the Students Council. It acts as an umbrella body over Departmental Societies, Cultural Societies and other Clubs besides the college National Service Scheme. Neither the Students Council Union nor any society arranges any programme/ meeting which has any affiliation with any political party. All students annually participate in the election of office-bearers. The Constitution of the Students' Council is accessible on the college website. The extended Students Executive comprises of Class Representatives from all departments in ANDC. Elections for the posts of Mayor, Deputy Mayor and Council Secretary will be held as per the schedule declared by the University of Delhi in synchronization with elections to DUSU. The highlight of the Council's activities is LEIOTHRIXX the annual festival of ANDC which is much awaited not just by current stakeholders of the college but also students from across Universities if participation is the yardstick to go by.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:
4559

5.4.3 – Alumni contribution during the year (in Rupees) :
95400

5.4.4 – Meetings/activities organized by Alumni Association :
Every year, the Alumni Association hosts an Annual Meet in the College Premises on the second Sunday of February. This years Annual Meet was conducted on February 16th, 2020 in the college grounds, and over 150 alumni attended.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Basic features of collective leadership along with participatory decision making are included within the framework of the college by way of many institutional practices.Decentralization and participatory management is deeply enshrined in the academic, administrative, curricular, co-curricular and extra-mural bulwark of ANDC. Timetable and Workload committee of the college is one of the best examples of participatory decision making in the college. During COVID – 19 pandemic times the Committee exemplified the same through organization of online teaching-learning process, and adoption of flexible learning pedagogies. The Committee consisting of department teachers-in-charge with Principal in chair coordinated with faculty members across departments to adopt best possible teaching-learning practices. Another instance is that faculty members are empowered with a high degree of autonomy combined with accountability through the departmental structure of a teacher-in-charge implementing all policies and programmes in a participatory model. The Staff Council with the Principal in chair forms inclusive stakeholder committees who help in the decision making process with members (appointed on rotational basis) empowered to undertake decision making on all aspects of college administration within the prescribed rules and regulations of the University of Delhi. Elected student representatives lead the cultural and co-curricular societies under the active guidance of the faculty coordinators and conveners.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	Since we are a constituent College of the University of Delhi, we follow the Curriculum prescribed by the University. Many of our teachers are very actively involved in this centralized process of curriculum development in which teachers from all the Colleges of the University participate provide their valuable contribution.
Teaching and Learning	Discipline / Course specific outcomes

	constitute the broad areas where the IQAC suggested reforms are reflected. Apart from regular academic rigour confined to classroom teaching-learning process ANDC envisions holistic development of students including a specific focus on interdisciplinary research. ANDC also tries its best to inculcate a spirit of giving it back to society by way of development of spirit of empathy. NSS run dedicated COVID helpdesk in college and faculty run hospital in rented premises during the pandemic. ANDC students under the Unnat Bharat Abhiyan (UBA) actively participate in transforming India by establishing close linkages with their partnering villages.
Examination and Evaluation	The College follows the Guidelines, Syllabi and Assessment protocols as per the University of Delhi directives. There is thus a 25 percent component of Internal Assessment (IA) in both theory and practical. The evaluation is conducted after prior notice and is well-spaced out through the semester. For the final examination, the University of Delhi holds centralized examination and evaluation for all of its constituent colleges. Our teachers participate in the process and perform all the duties according to the academic calendar of the University.
Research and Development	Acharya Narendra Dev College believes in preparing students to take informed decisions for a career in Science. Hence, the College through various schemes promotes research at the UG level. ??During the summer of 2019, 88 students of the College undertook projects of two-month duration under this ELITE scheme. Besides that college has 3 extramurally funded research projects under progress. There are 13 college faculty who are recognized as Ph.D supervisors and a total of 28 Phd students 2 postdoctoral fellows who are enrolled under their supervision. College also run DBT-star scheme under which seven departments conduct under-graduate research.
Library, ICT and Physical Infrastructure / Instrumentation	Dedicated work spaces with contemporary and environment-friendly facilities are available with offices of administration, accounts, library, caretaker, laboratories, Web Facilitation Centre (WFC), examination

	control room besides other miscellaneous services. Latest hardware powered by requisite software coupled with blazing fast internet access forms the IT backbone of the college. WFC servers (main and back-up) have all been upgraded to RAID technology that allows hot swapping. The library runs on a custom-designed Enterprise Resource Planning (ERP) based software package implemented using college invested resources.
Human Resource Management	The institution endorses a number of initiatives including providing all eligible staff Maternity/Paternity/Child care leave besides medical benefits and access to wellness counselors. ANDC provides its staff with opportunities for sustained professional development to enhance their pedagogic knowledge content and hands-on skills so as to help them move towards a constructivist framework of student centered teaching-learning. The institution also tries to organize or invite agencies to carry out regular capacity building and training programmes for both teaching and non-teaching faculty. ANDC supports in-career learning initiatives of its employees through financial support in full or partial reimbursement. The institution also provides loan benefits in the form of Quick Provident Fund Loan Facility to all of its employees along with retirement benefits in the form of Gratuity, GPF, NPS and encashment of Earned leave. The college also tries to provide vehicle and computer loans besides reimbursement of medical bills and ward's school fees.
Industry Interaction / Collaboration	Acharya Narendra Dev College is affiliated with the SPIE student chapter with 122 members participating in it. Acharya Narendra Dev College in collaboration with Translational Health Science and Technology Institute, DBT, Ministry of Science and Technology, Govt. of India organized a science setu program. College also runs 'Think lab' in association with Collaborative Undergraduate Biology Education' (CUBE), Homi Bhabha Centre for Science Education, TIFR. This year a SWAYAM NPTEL local chapter was established in the college. 466 students and faculty of the college registered for various

online NPTEL courses.

Admission of Students	Admission to the Colleges of the University of Delhi is a centralized process and the College follows the general rules and directives of the University in this respect.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Planning and Development	Active participation in institutional functioning by all stakeholders including faculty, students and the non-teaching staff is the USP that has helped ANDC carve out a niche amongst other colleges in University of Delhi. Enterprise resource planning (ERP) system from Tata Consultancy Services (TCS) has eased the functioning of the library with automatic issue and return of books without human interface, online attendance marking and hence concurrent availability of attendance data to students, regular messaging and emails to students regarding any information for them to act upon, maintenance of administrative data and accounts and facility for generating diverse data.
Administration	The organizational structure follows the norms prescribed by University of Delhi, UGC and Govt. of NCT of Delhi (GNCTD). The Administrative Structure is standard and well defined as flowchart shown above. The administrative wing led by the Principal and ably guided by Governing Body functions with a focused approach to provide the highest quality of wholesome education while extending support to the college community to accomplish the mission of education sans frontiers.This administrative support twinning and synergy in all aspects of college functions. Enterprise resource planning (ERP) system from Tata Consultancy Services (TCS) helps in maintaining administrative data and its smooth funcing.
Finance and Accounts	Enterprise resource planning (ERP) system from Tata Consultancy Services (TCS) is used by the accounts department of college to maintain records. Using this system students can pay their admission fee, library fine and other payments such as fee for

	workshop, conference and excursion trips.
Student Admission and Support	ERP has permitted online fee payment services with added transaction security since all receipts are generated in the digital mode by the College. Besides admission fees, other kinds of student-centric payments including registration fee for workshops/conferences, enrollment for add-on courses, Library fine, etc. are also paid online. Each student's unique 'dashboard' on the ERP provides details of his/her attendance as well as internal assessment marks in real-time.
Examination	College uses the University of Delhi examination portal.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Dr. Pankaj Khanna	Refresher Course in Basic Sicence (interd isciplinary)	Jamia Milia Islamia	1350
		[View File](#)		

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Surface Plasmon Resonance (SPR) and UV-Visible Spectrosco py: Basic working principle and Enviro nmental Ap plications	-	23/08/2019	27/08/2019	123	Nill
2019	Empowering teachers:	-	02/12/2019	02/12/2019	25	Nill

2020	Current technology based educational contents creation and delivery (using open source, free software)						
2020	Machine Learning using Python	-	04/03/2020	04/03/2020	55	Nill
2020	Usage of google conferencing tools	-	12/06/2020	12/06/2020	124	Nill
2020	On Line: LabView Workshop	-	23/06/2020	27/06/2020	67	Nill

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
AI assisted Data Analytics	1	11/07/2019	11/07/2019	1
e- Filing of ITR -1	4	29/07/2019	29/07/2019	1
Machine Learning using Python	8	04/03/2020	04/03/2020	1
PCB Prototyping Machine	10	23/08/2019	23/08/2019	1
Global Bio-India Summit 2019	3	21/11/2019	23/11/2019	3
Open Source Tools for Research	6	08/06/2020	14/06/2020	7
Managing online classes and co-creating Moocs: 2.0	2	18/05/2019	03/06/2019	16

Empowering Teachers: Current Technology Based Educational Contents Creation and Delivery (using open source, free software)	1	02/12/2019	06/12/2019	5
Design and Development of MOOCs and e-Learning Technologies	1	10/05/2020	16/05/2020	7
Emerging Trends in the New World of Work and Future Skills and Jobs	1	05/06/2020	05/06/2020	1

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	8	0	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
NIL	NIL	SAKSHAM Fellowship schemes

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

As per mandate of the Constitution of India to provide independent assurance to all stakeholders, the college envisions highest standards of accountability, transparency and good governance through high quality auditing and accounting. College audit is undertaken in sequential stages by three independent entities namely a) Internal audit, b) LFA by Govt. of NCT of Delhi and c) Comptroller Auditor General, Govt. of India. Broad guidelines governing the financial behaviour of the officers incurring or authorizing expenditure include high standards of financial propriety as the main factor. The first audit is internal and carried out by the college appointed Chartered Accountant (CA). In the second stage Local Fund Audit (LFA) of the accounts is undertaken by designated CAs sent by Govt. of NCT of Delhi. The Directorate of Audit is headed by Principal Secretary (Finance) and is assisted by Spl. Secretary (Finance) and Controller of Accounts (Audit). The final one is the Financial Attest Audit carried out by CAG that ensures that financial information is presented in accordance with the applicable financial reporting and regulatory framework. The auditors are provided sufficient and appropriate audit evidence to enable them to express an opinion as to whether the financial information is free from material misstatement due to fraud or error.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)		
Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NIL	0	NIL
No file uploaded.		

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nill	No	Nill
Administrative	No	Nill	No	Nill

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

NIL

6.5.3 – Development programmes for support staff (at least three)

1. Workshops 2. Seminar 3.Conferences

6.5.4 – Post Accreditation initiative(s) (mention at least three)

? UGC-Paramarsh Scheme ? Unnat Bharat Abhiyan ? SWAYAM NPTEL Local Chapter is established in college ? Registration in Internal Biosafety Committee

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Training on e-filing of ITR	29/07/2019	29/07/2019	29/07/2019	45
2019	Talk on IPR career opportunity	02/08/2019	02/08/2019	02/08/2019	50
2019	UGC-Paramarsh	06/09/2019	06/09/2019	05/09/2020	100
2019	Adoption of rural areas under Unnant Bharat Abhiyan	28/12/2019	28/12/2019	28/12/2020	150

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Workshop conducted by ITC Vivel in collaboration with #Absamjhau tanahin	01/10/2019	01/10/2019	55	0
Session conducted by Nobita Rajagopalan on the topic 'Naari- the Multifaceted Empowered Woman'	03/10/2019	03/10/2019	42	10
SRally on the theme 'Beti Bachao Beti padhao in Govindpuri , delhi	24/01/2020	24/01/2020	47	20
Session conducted by Tanya Malik, a social activist who works for 'Streedhan Association for Women's Development'	08/03/2020	08/03/2020	60	5

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Eco Club 'Paritantra' in association with the Conservation Education Centre-Delhi, Bombay Natural History Society organized 'Dragonfly Campus Count' and 'Butterfly campus count' on ANDC campus. Eco Club 'Paritantra' also initiated 'Plastic Recycle and Reuse Movement'. Under this initiative we requested each and every student to throw all the plastic bottles in the separate dustbins placed near the canteen and the sports ground that were given to NSS volunteers to make the best out of waste. It also conducted plantation drive in which 250 saplings were plated in the campus.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries

Physical facilities	Yes	111
Provision for lift	No	0
Ramp/Rails	Yes	111
Braille Software/facilities	Yes	111
Rest Rooms	Yes	111
Scribes for examination	Yes	106
Special skill development for differently abled students	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadva ntages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	08/08/2019	3	Cleanliness awareness campaign	Cleanliness in the adopted villages at Okhla, Zamroodpur, Kotla and Khanpur	57
2019	1	1	13/08/2019	1	Swachhta Awareness rally	Cleanliness in Girinagar	37
2019	1	1	16/10/2019	1	Diwali Mela 'Sahyog'	Supporting NGOs working for differently abled persons, underprivileged people and orphans	30
2020	1	1	24/01/2020	1	Rally on theme 'Beti Bachao Beti padhao	Awareness about girl child protection and	42

2020	1	1	29/01/2020	3	Voters' awareness rally and Voter enrollment camp	Awareness about the electoral process	150
2020	1	1	24/02/2020	1	Blood Donation Camp	Awareness about blood donation	110
2020	1	1	28/02/2020	59	Anti-tobacco campaign	Awareness about health hazards due to tobacco consumption	105

[View File](#)

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of ethics policy document	03/10/2019	ANDC considers ideals and philosophy enshrined in the Constitution of India as its guiding light and envisions providing world class education to its stakeholders to make them autonomous learners matching global standards. During Vigilance Awareness Week as well on Sports Day the college Principal administers the integrity pledge to teaching, non-teaching staff and students. The College also makes them aware of the purpose and the duties associated with these pledges. The same are in consonance with values propounded in the Constitution of India. The college also holds several seminars / webinars / conferences/ colloquiums on Gandhian values, democracy, secularism, empowerment

and citizenship rights. Gender sensitization workshops are a regular feature of the aegis of Equal Opportunity Cell. Also values of liberty, equality, rights , responsibilities and identity are reinforced besides deliberation on philosophical ideas. The College also makes the employees aware of national calamities collects donations from them which are then sent to the PM relief fund.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Swachchta Pakhwara	01/08/2019	15/08/2019	110
50th NSS Day	24/09/2019	24/09/2019	47
Unity Day	31/10/2019	31/10/2019	78
National Youth Day	12/01/2020	12/01/2020	56
National Girl Child Day	24/01/2020	24/01/2020	42
World Environment Day Celebrations (online)	05/06/2020	05/06/2020	115
International Yoga Day (online)	21/06/2020	21/06/2020	150

[View File](#)

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Restricted entry of automobiles 2. Use of Bicycles/ Battery powered vehicles 3. Rain water harvesting 4. Ban on use of Plastic 5. landscaping with trees and plants 6. e-waste management

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Scope of providing flavor and promotion of research to undergraduate students and igniting their young minds through ELITE projects and by helping out senior Ph.D. students collect and collate data. This helps train the mindset of undergraduate students to accept research as a viable career option. Second practice is to promote the start-up culture in college by inspiring students to gain knowledge beyond the realms of the classroom and fructify the same in ANDY – a company run by Alumni and current students of ANDC. Students getting exposure in ANDY have established their own start-ups.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The motto of Acharya Narendra Dev College is Asato Ma Sadgamaya ("From ignorance, lead me to truth. It is meant to steer students towards introspection and autonomous learning via collation of knowledge from all source during their stay in college. ANDC envisions a world where students have their rightful place and are given due recognition as future of the country. ANDC continually strives to turn this vision into reality by way of building on its historic legacy of being a leader pioneering research at the undergraduate level as reflected by its award winning performance for three consecutive years in the intercollege competitions like Antardhwani. ANDC remains strongly committed to igniting young minds and undergraduate research initiatives at ANDC, not only helps mold the students' persona but also bolsters their hands-on skill-sets. Some of the added qualities that get ingrained into the psyche of the students' because of this initiative are listed as hereunder: · Unfailing integrity and strength of character, · Finding viable solutions to address problems plaguing the society, · Ability to work in a group while carving out a niche for themselves, · Acquire values of respect for diversity, inclusiveness and humanism, · Flourish in different cultural milieus in an increasingly interconnected world, · Forever keep alive the love for learning so as to be able to contribute purposefully, · Accepting and implementing novel ideas for enhanced efficiency.

Provide the weblink of the institution
https://www.andcollege.du.ac.in/aboutus/visionmission

8.Future Plans of Actions for Next Academic Year

In the years to come the college envisages to address the lacunae in its existing structure besides creating new avenues to meet the dynamic challenges related to implementation of New Education Policy (NEP). As mandated under NEP one of our first endeavours would be to strengthen and develop e-content besides creation of digital museums and archives. The efforts would be directed towards expansion of audio-visual repositories with requisite study material and references besides strengthening of multiple digital platforms including Google Meet, Zoom, Cisco Webex and Microsoft Team. Having faced the perils of COVID – 19, the institution envisions to mentor, nurture and parent distressed students. Pedagogically, the institution plans to boost peer mentorship and promote outreach modules for career counselling and placement opportunities for the students. Under the aegis of NEP, the college envisages to provide opportunities for fostering academic leadership and initiative by inviting field specific experts for capacity building, training and exposure. In continuation the college intends to augment physical infrastructure for ease of movement and accessibility for the differently abled besides renewing focus on remedial teaching and supplementing existing laboratories with advanced set of instruments. Another priority area for the college includes establishment of wellness centre for strengthening mental health for all stakeholders