Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**ACHARYA NARENDRA DEV COLLEGE**
Name of the head of the Institution	**PROFESSOR RAVI TOTEJA**
Designation	**Principal**
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	**ravitoteja@andc.du.ac.in**
Address	**ACHARYA NARENDRA DEV COLLEGE Govindpuri Kalkaji New Delhi 110019**
City/Town	**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

Slogan Competition	05-Sep-2018 1	27
Workshop	25-Sep-2018 1	25
Student Feedback	17-Jan-2019 10	907
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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
Prof. Urmi Bajpai	Recombinant endolysins from mycobacteriophages: exploring their antiMycobacterial potential	SERB-DST	2018 1095	1556733
Prof. Sarita Kumar	Developing and documenting innovative practices for learning physics and biology through experimentation for children and young adults	Ministry of Science & Technology, Department of Science & Technology, India	2018 730	735000
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	**0**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**No**
Upload the minutes of meeting and action taken report	**No Files Uploaded !!!**
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

• Started joboriented course Quality Control (QC) chemist at NAQF level 5. • Organised workshop entitled 'Teachers as Mentors". • Measures to Monitor Student Progression. • Organised National Symposium on 'Contemporary Environmental Concerns 2018'.

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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
Job oriented course 'quality control (QC) chemist' of NAQF level 5	The College started the job oriented course 'quality control (QC) chemist' of NAQF level 5. This program is aimed at training candidates for the job of a "Quality Control Chemist", in the "Life Sciences" Sector/ Industry. Eleven students from B.Sc.(H) Chemistry, B.Sc.(H) Biomedical Sciences and B.Sc. Life Sciences completed their course work and did one month internship at various pharmaceutical companies viz., Belco Pharma, Unichem Laboratories, Federation of Pharma Entrepreneurs, Jubilant Chemsys Limited. All have been successfully awarded the certificate from NSDC.
Workshop entitled 'Teachers as Mentors"	A workshop entitled 'Teachers as Mentors" to discuss about 'What is mentoring', Qualities of a good mentor and 'Mentor sensitization' was held on October 25, 2018. Mr. Arindam Sen, ALS Wellness Network Pvt Ltd. (Zyego Co.) and Ms. Tanni, College Counselor were the resource persons, who discussed issues which hinder persons professional and personal development and emotional well being was held during the workshop.
Measures to Monitor Student Progression	Security refund forms have been redrafted wherein the students fill the information of their prospective plan viz., name of the institution admitted for post-graduation or any other
National Symposium on 'Contemporary Environmental Concerns 2018'	Three day National Symposium on 'Contemporary Environmental Concerns 2018' was organized from March 15-17, 2018 at the College premises.

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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
IQAC	08-Oct-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	2019
Date of Submission	26-Feb-2019

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 student centric 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 real time. We make doubly sure that information reaches students through the group email 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 feature rich 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

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
Effective Communication and Personality Development through Theatre (ECPDT)	01/08/2009	35
Quality Control (QC) Chemist	05/10/2017	13
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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
BSc	Biomedical Sciences	36
BSc	Botany	164
BSc	Computer Science	47
BSc	Physical Science with Computer Science	47
BSc	Zoology	99
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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 Sciences	50	0	51
BSc	Botany	50	0	79
BSc	Chemistry	50	0	46
BSc	Computer Science	50	0	50
BSc	Electronics	50	0	46
BSc	Mathematics	50	0	53
BSc	Physics	50	0	63
BSc	Zoology	50	0	49
BCom	Commerce	100	0	96
BSc	Life Science	45	0	88
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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
2018	762	13	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

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
2145	129	1:17

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	12	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
2018	Dr. Sarita Kumar	Professor	Judge in Fourth National Symposium on Environment: Green Technology for Environmental Sustainability, Deshbandhu College, University of Delhi, Kalkaji
2018	Dr. Sarita Kumar	Professor	Chaired an oral session in the Fourth National Symposium on Environment: Green Technology for Environmental Sustainability, Deshbandhu College, University of Delhi, Kalkaji
2019	Dr. Seema Makhija	Professor	Meritorious Teachers award by the GOVERNMENT OF N.C.T OF DELHI, DHE, Delhi

2019	Dr. Charu Khosla Gupta	Professor	Session Chair at 5th International Conference on Education 2019, TIIKM, Kuala Lumpur, Malaysia
2018	Dr. Charu Khosla Gupta	Professor	Membership of Institutions Innovation Council, MHRD, Innovation Cell, Govt. of India
2019	Dr. Charu Khosla Gupta, Dr. Arijit Chowdhuri	Professor	Sessions Best Presentation at the International Seminar on Current Avenues in Microbial and Plant Sciences, TIIKM, Kuala Lumpur, Malaysia
2018	Dr. Sharanjit Kaur	Associate Professor	Invited Lecture Python Programming, Kendriya Vidyalaya, No. 2 Delhi Cantt, APS Colony, Gurgaon Road, Delhi
2018	Dr. Sharanjit Kaur	Associate Professor	Resource Person at FDP On Centrality Measures for social Networks and Web and Generative Graph Models at the Ramanujan College, University of Delhi

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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	17/05/2019	28/06/2019
BSc	556	VI / III	21/05/2019	28/06/2019
BSc	557	VI / III	21/05/2019	28/06/2019
BSc	558	VI / III	21/05/2019	28/06/2019
BSc	563	VI / III	21/05/2019	28/06/2019
BSc	567	VI / III	21/05/2019	28/06/2019
BSc	569	VI / III	21/05/2019	28/06/2019

BSc	583	VI / III	24/05/2019	28/06/2019
BSc	570	VI / III	21/05/2019	28/06/2019
BSc	582	VI / III	29/05/2019	28/06/2019
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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/admission/dubulletin,
https://www.andcollege.du.ac.in/admission/prospectus,
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 examination	Number of students passed in final year examination	Pass Percentage
554	BSc	Biomedical Science	36	36	100
556	BSc	Botany	42	42	100
557	BSc	Chemistry	44	44	100

504	BCom	Commerce	99	99	100
570	BSc	Computer Science	45	45	100
558	BSc	Electronics	39	39	100
563	BSc	Mathematics	50	50	100
567	BSc	Physics	49	49	100
569	BSc	Zoology	40	40	100
582	BSc	Physical Science	122	122	100

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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	1095	SCIENCE ENGINEERING RESEARCH BOARD(SERB) (a statutory body of the Department of Science Technology, government of India)	4670200	1556733
Major Projects	730	Government of India, Ministry of Science and Technology, Department of Science and Technology, Kiran Division	1470000	735000
Students Research Projects (Other than compulsory by the University)	60	Acharya Narendra Dev College	161293	161293
Interdisciplinary Projects	365	DBT	2262568	2262568

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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
Two-day workshop on "Hands-on to computational biology for (meta)genomic analysis".	Botany, Zoology	04/04/2019
Workshop on "SPIE Induction"	Electronics	25/09/2018
Workshop: Education Conclave 2018 – 'Education deconstructed: A dialogue with experts	Zoology, Chemistry, Computer Science, Biomedical Sciences, Physics, Electronics, Mathematics	02/11/2018
Workshop: Butterfly Campus Count	Chemistry	17/09/2018
Workshop on Awarness on Digital India Initiative	Computer Science	18/09/2018
Workshop on Paradigm Shift in Physics Education through hands-on techniques in Optics	Physics	05/09/2018
Workshop on Awareness on FOSS and LINUX	Computer Science	28/08/2018
Workshop on Awareness on FOSS and LINUX	Computer Science	04/09/2018
Workshop on Legal Awareness Program on E-Waste Management	Chemistry	11/08/2018
Workshop on Teachers as Mentors	Chemistry	25/10/2018
Python Workshop: A workshop on 'PYTHON' was organized in association with, industry partner Coding Blocks for the students of Electronics.	Electronics	03/04/2019
Workshop: Hands – on Training of ELISA Technique	Zoology	13/02/2019
Workshop on Foldscope	Biomedical Sciences	02/02/2019
Learning R-programming Skills and Applications to Proteomics	Biomedical Sciences	15/03/2019
Fraud, Forgery Forensics: Examining Handwriting, Fingerprints and Security Documents	Biomedical Sciences	03/04/2019

Mini symposium on International Womens day, 2018	Zoology	08/03/2019
Interdisciplinary workshop 'Learning Science by Doing Science'.	Botany, Chemistry, Physics, Zoology	18/06/2020
Two day faculty development programme on "Emotional Intelligence" conducted by ICT Academy.. Computer Science	Computer Science	01/04/2019
Physical, Chemical and Biological applications of Surface Plasmon Resonance (SPR)	Physics	19/06/2019
Basics of Stylus profilometry, wafer dicing, mask aligning and wire bonding – Hands-on sessions	Physics	19/06/2019
Basics of Surface Plasmon Resonance (SPR)	Physics	19/06/2019
Connection between Environmental and Human MicroBiome	Zoology	18/06/2019
A talk on Silver Nanoparticles: Biosynthesis Therapeutic Applications	Biomedical Sciences	29/03/2019
Dr. Saumya Saxena Memorial lecture on Bionics and Bionic Engineering: Learning Science from Nature	Botany	26/03/2019
Seminar on Functional Materials for device applications	Physics	15/03/2019
Seminar on MoS2 A promising 2-D material	Physics	15/03/2019
Seminar on MIMO antennas for 5G and IoT	Physics	15/03/2019
Power of Positive Thinking	Mathematics	13/03/2019
Malaria elimination in India: Role of vector control	Zoology	19/02/2019
Computational Gastronomy	Botany	14/02/2019
Chaos Engineering	Computer Science	15/02/2019

Tinkering for Scientist	Chemistry	13/02/2019
Career counseling and Future for Chemistry Students	Chemistry	08/02/2019
Top Careers in IT in 21st Century	Computer Science	06/02/2019
Satellite Communication	Electronics	31/01/2019
A talk on Nanotechnology-Applications in Optoelectronics and Renewable Energy	Physics	31/01/2019
Demystifying Myths surrounding Human Health by Science Behind Myths	Biomedical Sciences	31/01/2019
A motivation Talk	Tark Society	24/01/2019
Continuity and Uniform Continuity	Mathematics	01/11/2018
Empower HER stories	Sashakt Society	29/10/2018
e-Health: Exploring it's potential for Healthcare Delivery	Biomedical Sciences	25/10/2018
Interesting advances in Haemoglobin Research: Beyond the textbook	Botany	11/10/2018
A talk on Contemporary Approaches in Anti-Malarial Drug Discovery	Zoology	10/10/2018
Cloud Literacy Day	Computer Science	09/10/2018
Professional conduct with positive attitude	Electronics	04/10/2018
A lecture on 'Current trends in Mobile Application Development'	Electronics	20/09/2018
Turing test to Deep Learning	Computer Science	19/09/2018
Science Setu Biomarkers in Health and Disease	Biomedical Sciences	30/08/2018
Development origins of Health and Disease	Biomedical Sciences	30/08/2018
Skeletal muscle physiology in wellness and being	Biomedical Sciences	30/08/2018

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
Session Chair at 5th International Conference on	Dr. Charu Khosla Gupta	TIIKM, Kuala Lumpur, Malaysia	05/04/2019	Session Chair

Education 2019				
International Seminar on Current Avenues in Microbial and Plant Sciences	Dr. Charu Khosla Gupta	TIIKM, Kuala Lumpur, Malaysia	05/04/2019	Sessions Best Presentation
Oral Presenation at International Seminar on CAMPS	Dr. Yash Mangla	Department of Botany, University of Gour Banga Malda, west bengal, India	23/02/2019	Best Presentation
Invited Lecture Python Prgramming	Dr. Sharanjit Kaur	Kendriya Vidyalaya, No. 2 Delhi Cantt, APS Colony, Gurgaon Road, Delhi	24/12/2018	2nd Spell In-Service Course of PGT(CS)
Resource Person at FDP	Dr. Sharanjit Kaur	TLC, Ramanujan College, University of Delhi	03/12/2018	Two Sessions On Centrality Measures for social Networks and Web and Generative Graph Models
Judge in Fourth National Symposium on Environment: Green Technology for Environmental Sustainability	Dr. Sarita Kumar	Department of Zoology, Deshbandhu College, University of Delhi, Kalkaji	25/09/2018	Judged the Oral Presentation Session
Chaired an oral session in the Fourth National Symposium on Environment: Green Technology for Environmental Sustainability	Dr. Sarita Kumar	Department of Zoology, Deshbandhu College, University of Delhi, Kalkaji	25/09/2018	Chaired the Oral Presentation Session
Award for College Teacher/Lecture	Dr. Seema Makhija	GNCTD, DHE, Delhi	13/03/2019	Meritorious Teachers award
Teaching and Research	Dr. Urmi Bajpai	Indian National Science Academy	28/12/2018	Indian National Science Award (INSA)
Session Chair	Dr. Arijit Chawdhuri	5th International Conference on	05/04/2019	Session Chair

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

Incubation Center	Name	Sponsered 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
1	1	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	2
Chemistry	1
Computer Science	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)
National	Biomedical Sciences	1	0
International	Botany	3	4.5
International	Chemistry	3	3.8
International	Computer Science	2	4.4
International	Electronics	5	1.9
International	Mathematics	7	1.8
International	Zoology	8	6.2
International	Physics	5	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
Botany	6
Computer Science	3
Electronics	2
Physics	4
Zoology	4
English	2
Biomedical Science	1
Chemistry	1

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
Sighting of Jamides bochus (Stoll, 1782) and Prosotas Nora (C. Felder 1860) (Insecta: Lepidoptera: Lycaenidae) From Urbanized Parts Of New Delhi, India.	Chaudhary, R. Kumar, V.	Bionotes	2019	3.9	Department of Biomedical Science, Acharya Narendra Dev College (University of Delhi), Govindpuri, Kalkaji, New Delhi-110 019.	3
Floral contrivances and specialised pollination mechanism strongly influence mixed mating in Wrightia tomentosa (Apocynaceae).	Barman, C., Singh, V.K., Das, S. Tandon, R.	Plant Biology	2018	8.25	Department of Botany, University of Delhi, Delhi, India	6
Relative contribution of reproductive attributes to the density-dependent effects on fruit-set.	Singh VK, C Barman, D Mohanty D Tandon R	AoB PLANTS	2018	8.25	Department of Botany, University of Delhi, Delhi, India	0
Occurrence of subdioecy and scarcity of gender-	Mangla, Y., Das K, Bali S, Ambreen H, Raina SN, Tandon R, Goel S.	Heredity	2019	5.8	Department of Botany, University of Delhi, Delhi-110007 India	3

specific markers reveal an ongoing transition to dioecy in Himalayan seabuckthorn (Hippophae rhamnoides ssp. turkestanica).						
Heteroleptic metal(II) complexes of curcumin and 2,2-bipyridine: Synthesis, characterization, molecular modeling and preliminary antimicrobial investigation.	Lal S., Joshi M. C., Hooda,S. Kumar,V.	Rev. Roum. Chim.	2018	5.3	Department of Chemistry, Acharya Narendra Dev College (University of Delhi), Kalka Ji, New Delhi-110019, India	0
A highly selective sensor for Cu2 and Fe3 ions in aqueous medium: Spectroscopic, computational and cell imaging studies.	Lal S., Kumar S., Hooda, S. Kumar P.	Journal of Photochemistry and photobiology: Chemistry	2018	5.3	Department of Chemistry, Acharya Narendra Dev College (University of Delhi), Kalka Ji, New Delhi-110019, India	10
Protective effects of Aporosa octandra bark extract against D-galactose induced cognitive	Panda S.S., Girgis A-S., Prakash A., Khanna L., Khanna, P., Shalaby El-S. M.,	Heliyon, 4: e00951	2018	20.8	Department of Chemistry, University of Delhi, Delhi, 110007, India Acharya Narendra	3

Title of the Paper			Year of publication			Affiliation
impairment and oxidative stress in mice.	Fawzy N.G. Jain S. C.					Dev College, University of Delhi, Govindpuri, Kalkaji, 110019, New Delhi, India
Social Centrality using network hierarchy and community structure.	Saxena R., Kaur, S., Bhatnagar V.	Data Mining and Knowledge Discovery	2018	5.7	Acharya Narendra Dev College, University of Delhi, New Delhi, India	10
Bandwidth Efficient Broadcast Protocols in MANETs: A Review	Samal, C. K. , Choudhury R. K.	International Journal of Computer Science and Engineering	2018	0	Computer Science, AND College , Delhi University, New Delhi, India	0
Structural and optical properties of electro chemically deposited ZnO nanorods by using graphene oxide and ITO as substrate material: A comparative study	Kumar, S., Garg, A., Chowdhuri, A., Jain, A., Kapoor, A.	Materials Research Express	2018	26.1	Department of Physics, Acharya Narendra Dev College, University of Delhi, Kalkaji, New Delhi, 110019, India	6

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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
Sighting of Jamides bochus (Stoll, 1782) and Prosotas	Chaudhary, R. Kumar, V.	Bionotes	2019	4	3	Department of Biomedical Science, Acharya

Nora (C. Felder 1860) (Insecta: Lepidoptera: Lycaenidae) From Urbanized Parts Of New Delhi, India.						Narendra Dev College (University of Delhi), Govindpuri, Kalkaji, New Delhi-110 019.
Floral contrivances and specialised pollination mechanism strongly influence mixed mating in Wrightia tomentosa (Apocynaceae).	Barman, C., Singh, V.K., Das, S. Tandon, R.	Plant Biology	2018	2	6	Department of Botany, University of Delhi, Delhi, India
Relative contribution of reproductive attributes to the density-dependent effects on fruit-set.	Singh VK, C Barman, D Mohanty D Tandon R	AoB PLANTS	2018	2	0	Department of Botany, University of Delhi, Delhi, India
Occurrence of subdioecy and scarcity of gender-specific markers reveal an ongoing transition to dioecy in Himalayan seabuckthorn (Hippophae rhamnoides ssp. turkestanica).	Mangla, Y., Das K, Bali S, Ambreen H, Raina SN, Tandon R, Goel S.	Heredity	2019	5	3	Department of Botany, University of Delhi, Delhi-110007, India

Heterole ptic metal(II) complexes of curcumin and 2,2-bi pyridine: Synthesis, characteri zation, molecular modeling and prelim inary anti microbial investigat ion.	Lal S., Joshi M. C., Hooda,S. Kumar,V.	Rev. Roum. Chim.	2018	10	0	Department of Chemistry, Acharya Narendra Dev College (U niversity of Delhi), Kalka Ji, New Delhi- 110019, India
A highly selective sensor for Cu2 and Fe3 ions in aqueous medium: Sp ectroscopi c, computa tional and cell imaging studies.	Lal S., Kumar S., Hooda, S. Kumar P.	Journal of Photoch emistry and photob iology: Chemistry	2018	10	10	Department of Chemistry, Acharya Narendra Dev College (U niversity of Delhi), Kalka Ji, New Delhi- 110019, India
Protective effects of Aporosa octandra bark extract against D- galactose induced cognitive impairment and oxidative stress in mice.	Panda S.S., Girgis A- S., Prakash A., Khanna L., Khanna, P., Shalaby El- S. M., Fawzy N.G. Jain S. C.	Heliyon, 4: e00951	2018	10	3	Department of Chemistry, University of Delhi, Delhi, 110007, India Acharya Narendra Dev College, University of Delhi, Govindpuri , Kalkaji, 110019, New Delhi, India
Social Centrality using network hierarchy	Saxena R., Kaur, S., Bhatnagar V.	Data Mining and Knowledge Discovery	2018	6	10	Acharya Narendra Dev College, University

and community structure.						of Delhi, New Delhi, India
Bandwidth Efficient Broadcast Protocols in MANETs: A Review	Samal, C. K. , Choudhury R. K.	International Journal of Computer Sciences and Enginering	2018	0	0	Computer Science, AND College , Delhi University, New Delhi, India
Structural and optical properties of electro chemically deposited ZnO nanorods by using graphene oxide and ITO as substrate material: A comparative study	Kumar, S., Garg, A., Chowdhuri, A., Jain, A., Kapoor, A.	Materials Research Express	2018	9	6	Department of Physics, 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	6	16	1	10
Presented papers	1	4	0	0
Resource persons	0	5	0	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 2018 to July 2018)	NSS @ANDC	2	40

International Yoga Day (June 21)	NSS @ANDC	2	30
Assistance in organizing the Orientation programme 'Breaking Barriers' (July 20-24)	NSS @ANDC	2	30
Swachh Bharat Summer Internship Programme May – July)	NSS @ANDC	2	9
College Campus Cleanliness drives (August 1-15)	NSS @ANDC	2	177
Door to door cleanliness awareness campaigns in areas adjoining College and Adopted slums (August 1-15)	NSS @ANDC	2	177
Cleanliness awareness (Swachh Parivesh) Rally in Govindpuri (August 1-15)	NSS @ANDC	2	177
Blood Donation to Adopted Thalessemia patients (Aug)	NSS @ANDC	2	4
Cleanliness awareness campaign and drives in adopted slums	NSS @ANDC	2	30
Plantation Drive and distribution of plant saplings with Eco club of the college	NSS @ANDC	2	30

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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

No file uploaded.

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

Swachch Bharat Summer internship programme 2018	Ministry of Human ResourceD evelopment in association with the Ministry of Drinking Water and Sanitation	Swachch Bharat Summer	2	10
Swachchta Pakhwara,August 01-15, 2018	NSS unit ANDC	Swachchta Pakhwara	2	177
Diwali Mela 'Sahyog' was organized on Friday, October 26, 2018	NSS unit ANDC	Charity,14 NGO's working for the differently abled persons, underprivileged people and orphans participated in the event	2	177
Voters registration Camp	NSS unit ANDC,DU NSS and Chief Electoral Officer, Delhi	Voter Registration process and awareness	2	100
Vigilance Awareness Week (29 Oct – 03 Nov 2018)	NSS unit ANDC	Discussion Session on 'Eradicating Corruption: Build a New India'	2	50
'Walkathon on Road Safety',04 Feb 2019	Delhi Police, Traffic-SR RSC,NSS unit ANDC	Discussion on Road Safety and awareness	2	10
Workshop on Women's Legal Rights,January 11,2019	ANDC and Josh Talk NGO	Awareness on Legal right of Women	1	30
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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
3D printer resin development – Project	4-5 Students	SPIE Student Chapter, Univ. of Delhi at Acharya Narendra Dev College	60
Security Device using Facial Detection Techniques -	4-5 Students	SPIE Student Chapter, Univ. of Delhi at Acharya Narendra Dev	60

Project		College		60
Smart Lab for Blind – Project	4-5 Students	SPIE Student Chapter, Univ. of Delhi at Acharya Narendra Dev College		60
Improving efficiency of Wireless Power Transmission – Project	4-5 Students	SPIE Student Chapter, Univ. of Delhi at Acharya Narendra Dev College		60
Blind Assistance Tool (BAT) - Project	4-5 Students	SPIE Student Chapter, Univ. of Delhi at Acharya Narendra Dev College		60
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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
Teacher Training Workshop	Attended STEM Teacher Training Workshop on Research-Based Pedagogical Tools (Level1) held from at Jaipur, Rajasthan.	Department of Biotechno logy, IISER Pune	28/09/2018	01/10/2018	Dr. Geetika Kalra (Botany)
A resource person for workshop	A resource person for workshop on 'Development of guidelines for mentoring of schools by Higher Educational Institutions (HEIs) under Rashtriya Avishkar Abhiyan (RAA)',	National Council of Educational Research and Training, Department of Education in Science and Mathematics	17/12/2018	21/12/2018	Dr. Pankaj Khanna (Chemistry)

		organised by DESM, NCERT, New Delhi			
A resource person for workshop	A resource person for workshop on 'Development of guidelines for mentoring of schools by Higher Educational Institutions (HEIs) under Rashtriya Avishkar Abhiyan (RAA)', organised by DESM, NCERT, New Delhi	A resource person for workshop on 'Development of guidelines for mentoring of schools by Higher Educational Institutions (HEIs) under Rashtriya Avishkar Abhiyan (RAA)', organised by DESM, NCERT, New Delhi	18/03/2019	20/03/2019	Dr. Pankaj Khanna (Chemistry)
A resource person for workshop	A resource person for workshop on 'Development of guidelines for mentoring of schools by Higher Educational Institutions (HEIs) under Rashtriya Avishkar Abhiyan (RAA)', organised by DESM, NCERT, New Delhi	National Council of Educational Research and Training, Department of Education in Science and Mathematics	25/03/2019	28/03/2019	Dr. Pankaj Khanna (Chemistry)
Teacher Training Workshop	Attended STEM Teacher Training Workshop on Research-Based Pedagogical Tools (Level 2).	Department of Biotechnology, British Council	17/01/2019	19/01/2019	Dr. Pankaj Khanna (Chemistry)
Development of Text book	Development of Text book in Computer	National Council of Educational Research and	14/07/2018	16/07/2018	Dr. Sharanjit Kaur (Computer

	Science at Higher Secondary Stage	Training, Department of Education in Science and Mathematics			Science)
Development of Text book	Development of Text book in Computer Science and Information Practices for class XII	National Council of Educational Research and Training, Department of Education in Science and Mathematics	01/02/2019	03/02/2019	Dr. Sharanjit Kaur (Computer Science)
Workshop for Development of Textbook	Two day workshop for Development of Information Practices Textbook for Class XII	National Council of Educational Research and Training, Department of Education in Science and Mathematics	12/09/2018	13/09/2018	Dr. Harita Ahuja (Computer Science)
Workshop for Textbook	Two day workshop for Development of Information Practices Textbook for Class XII	National Council of Educational Research and Training, Department of Education in Science and Mathematics	12/10/2018	13/10/2018	Dr. Harita Ahuja (Computer Science)
Workshop for Development of Textbook	Two day workshop for Development of Information Practices Textbook for Class XII	National Council of Educational Research and Training, Department of Education in Science and Mathematics	01/02/2019	02/02/2019	Dr. Harita Ahuja (Computer Science)
			[View File](#)		

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
Society of Photo-Optical	06/08/2010	1. Provide activity grant to	5

Instrumentation Engineers (SPIE)		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.	
International Bacteriophage Research Consortium	18/11/2018	No event was organised in 2018-2019. The consortium was established in October 2018.	11
The 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.	1
Azim Premji University	26/07/2018	To generate Science education resources in Indian Languages	3
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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
187.31	34.91

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
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Others	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	31349	11862302	1178	7481	32527	11869783
e-Books	2579805	0	0	0	2579805	0
Journals	455	715704	26	37841	481	753545
e-Journals	40211	0	0	0	40211	0
Digital Database	140	0	0	0	140	0
CD & Video	938	0	12	0	950	0
Library Automation	1	2400000	0	0	1	2400000
Weeding (hard & soft)	0	0	0	0	0	0
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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
Prof. Ravi Toteja	Overview of Immune system: Components of the immune system, principles of innate and adaptive immunity	e-PG- Pathshala	27/08/2018

Prof. Ravi Toteja	Phylogeny and Ontogeny of immune system: Organization and structure of immune system	e-PG- Pathshala	27/08/2018
Prof. Ravi Toteja	Cells of the Immune System	e-PG- Pathshala	27/08/2018
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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	2	1	2	13	100	3
Added	0	0	0	0	0	0	0	0	0
Total	1278	4	1	2	1	2	13	100	3

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
Antimycobacterial Drug Discovery Lab, Acharya Narendra Dev College	https://youtu.be/lhPPJJZ6SUg

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
80.99	80.99	17.46	17.46

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)

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 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 Administration 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, Pushpa Paul Memorial Scholarship, SAKSHAM Fellowship, Teena Gupta Memorial Fund	128	608590
Financial Support from Other Sources			
a) National	Prize Merit and Scholarship, Science Meritorious Scholarship	16	81000
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
Python Workshop: A workshop on 'PYTHON' was organized in association with, industry partner Coding Blocks for	03/04/2019	70	Coding Blocks, 1st Floor, 47, Nishant Kunj, Main Pitampura Road, New Delhi, 91 9643339705, kamna.s aroha@codingblocks.

the students of Electronics.			com
Fraud, Forgery and Forensics: Examining Handwriting, Fingerprinting and Security documents	03/04/2019	125	Mr J. K. Semwal (Senior Faculty- Documents, Lok Nayak Jaiprakash Narayan National Institute of Criminology and Forensic Science, Ministry of Home affairs, Government of India)
Two day FDP on Emotional Intelligence	02/04/2019	25	Prof. Anil Ohri, ICT Academy
"Learning R programming Skills and Applications to Proteomics	16/03/2019	20	ANDC, University of Delhi in association with CSIR-IGIB, New Delhi
One day Technical talk on "Chaos Engineering"	15/02/2019	45	Mr. Jitender Singh, CaaStle,
ELISA Technique	13/02/2019	90	Mr. Vikas Sachdeva, Department of Gastroenterology, All India Institute of Medical science, New Delhi
One day Technical talk on "Top Careers in IT in 21st Century"	06/02/2019	70	Mr. R Chaddha, LandMark Institute
Invited Talk: Invited talk on 'Satellite Communication' by Prof. Mridula Gupta, Department of Electronic Science, University of Delhi	31/01/2019	68	Prof. Mridula Gupta, Department of Electronic Science, University of Delhi, mridula@south.du.ac.in
Invited Talk: Invited talk on 'Professional Conduct with Positive Attitude' by Ms. Anju Kumari, motivational speaker, Life skills trainer, Founder, Crafting leaders	04/10/2018	71	Ms. Anju Kumari, motivational speaker, Life skills trainer, Founder, Crafting leaders, mob: 91 9873588707

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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
2018	Power of Positive Thinking by Sohanpal Yadav	0	125	0	92
2018	Opportunities in BPO (Business Process Outsourcing) by Concentrix Daksha	0	105	0	92
2018	Career in Automation by Millinium Auto System	0	120	0	92
2018	Opportunities in Sales by Reliance Jio Tringsapp.inc	0	85	0	92
2018	Opportunities in Finance Sector by Bonanza	0	109	0	92
2018	Workshop on CV writing, Group Discussion and Interview by Career Launcher	0	91	0	92

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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
Global foundation for human for human excellance Concentrix Daksha Service India Pvt Ltd. Libsys Operations trainee	219	92	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
2018	3	B.Sc.(H) Chemistry	Chemistry	University of Delhi	M.Sc. Chemistry

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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
Any Other	7

View File

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
ANDC Sports League Tournament-2018-19	Institution	662

View File

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
2018	Bronze	National	1	Nill	16ANDCBS BO0000035	Devender Choudhary

2018	Gold	National	1	Nill	18ANDCBS BM000023	Kajal Pandey
2018	1st Position	National	Nill	1	18ANDCBS BM000029	Mansi Arora
2018	3rd Position	National	Nill	1	18ANDCBS BM000038	Rohit Gokhale

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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)

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. Student members are given due recognition by making them integral part of the college Internal Complaints Committee, SPIC MACAY and Canteen Committees. Direct student involvement is also there in various societies including Photography and Dance.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

3874

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

52800

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 10th, 2019 in the college grounds, and over 200 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)

Decentralization and participatory management is deeply enshrined in the academic, administrative, curricular, co-curricular and extra-mural bulwark of ANDC. Basic features of collective leadership along with participatory decision making are included within the framework of the college by way of many

institutional practices.Timetable and Workload committee of the college is one of best examples of participatory decision making in the college. 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
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. This year 101 members in the Chapter make it one of the highest member chapters in the world. Acharya Narendra Dev College, is in

	collaboration with Translational Health Science and Technology Institute, Department of Biotechnology, Ministry of Science and Technology, Govt. of India organized a science setu program and shadow a scientist program. College also runs 'Think lab' in association with Collaborative Undergraduate Biology Education' (CUBE), Homi Bhabha Centre for Science Education, TIFR.
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.
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. Specifically, the adopted innovative pedagogical methodologies have helped broaden the academic base and outreach of students via hands-on training on live research projects at the undergraduate level. This has helped students garner fully funded postgraduate positions abroad. Further, this initiative has helped train students with an industrial outlook.
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, research at the UG level is promoted by the College through various schemes. ELITE – 'Education in a Lively Innovative Training Environment' Summer Fellowship: During the summer of 2018, 51 students of the College undertook projects of two-month duration under this scheme. There are 11 college faculty who are recognized as Ph.D supervisors and a total of 23 Phd students 2 postdoctoral fellows who are enrolled under their supervision. College also runs the 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.

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

E-governace area	Details
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 functioning.
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, enrolment 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 University of Delhi examination portal
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.

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

2018	Dr. Gagan Dhawan	11th Symposium on Frontiers in Biomedical Research, Challenges in Human Health: Prevention, Diagnosis and Cure	ACBR	2000
2018	Dr. Geetu Gambhir	Environmental Health and Sustainable Development	Public Health Foundation of India and the Pacific Basin Consortium	2038
2019	Dr. Dinesh Kumar Arya	Recent Advances at Interfaces of Physical and Life Sciences	Department of Chemistry , University of Rajasthan	2000
2019	Dr. Pankaj Khanna	Workshop on Intellectual Property Rights (IPR)	Deen Dayal Upadhyaya College	1500
2019	Dr. Rashmi Sharma	University Functioning and Blended Learning	Sri Guru Tegh Bahadur Khalsa College, University of Delhi	5000
2019	Dr. Ravneet Kaur	Refresher Course in Basic Sicence (interdisciplinary)	Jamia Milia Islamia	1350
2019	Dr. Udaibir Singh	Refresher Course in Basic Sicence (interdisciplinary)	Jamia Milia Islamia	1350
2019	Dr. Chandra Kant Samal	E-content Development Open Educational Resources	Jawaharlal Nehru University	1500
2019	Dr. Sunita Hooda	Nanomedical Sciences (ISNSCON-2018)	Jamia Hamdard University and University of Delhi	6000
2019	Dr. Arijit Chowdhuri	Entrepreneurship, Motivation Leadership	Atma Ram Sanatan Dharma College	3000
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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	Fraud, Forgery and Forensics: Examining Handwriting, Fingerprinting and Security document	NIL	03/04/2019	03/04/2019	125	Nill
2018	Legal Awareness Program on E-Waste Management	NIL	11/08/2018	11/08/2018	60	Nill
2018	Awareness on Digital India Initiative	NIL	18/09/2018	18/09/2018	147	Nill
2018	Teachers as Mentors	NIL	25/10/2018	25/10/2018	25	Nill
2018	Education enclave: Education Deconstructed: a dialogue with experts	NIL	02/11/2018	02/11/2018	117	Nill
2019	Emotional Intelligence	Emotional Intelligence	01/04/2019	02/04/2019	20	5
			[View File]()			

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
University Functioning and Blended	2	08/12/2018	20/12/2018	15

Learning				
Teachers as Mentors	8	25/09/2018	25/09/2018	1
The Power Purpose of Accreditation Council for Business Schools and Programs (ACBSP), USA Global Accreditation	2	28/08/2018	28/08/2018	1
e-Learning, Pedagogy and ICT Tools in Higher Education	1	26/11/2018	07/12/2018	14
Emotional Intelligence	6	01/04/2019	02/04/2019	2
Life Science	1	17/07/2018	06/08/2018	21
Advanced Numerical Techniques and its Applications	2	06/05/2019	11/05/2019	6
Entrepreneurship, Motivation and Leadership	1	24/12/2018	30/12/2018	7
Network Science: Foundation of Social Network Analysis	1	03/12/2018	08/12/2020	6
Sustainnable Development	1	15/10/2018	22/10/2018	8
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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	12	0	1

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
NIL	NIL	SAKSHAM Fellowship scheme

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

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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	NA	No	NA
Administrative	No	NA	No	NA

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)

? Organized workshop entitled 'Teachers as Mentors" ? Measures to Monitor Student Progression ? Organized National Symposium on 'Contemporary Environmental Concerns 2018'

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
2018	Slogan/phrase competition under IQAC to wish and mark Teachers Day	05/09/2018	05/09/2018	05/09/2018	27
2018	Workshop entitled 'Teachers as Mentors	25/09/2018	25/09/2018	25/09/2018	25
2019	Student Feed-Back on College Facilities from final year students	17/01/2019	17/01/2019	17/01/2019	907
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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
Interactive session on Gender Sensitization and promoting women health care and hygiene	10/09/2018	10/09/2018	58	0
Interactive talk 'Empower HERstory'	29/10/2018	29/10/2018	47	0
Workshop on Women's Legal Rights	11/01/2019	11/01/2019	45	0
Self Defense Training workshop	05/03/2019	15/03/2019	46	0
Sashakt Committee Valedictory Function & Poster Making	15/03/2019	15/03/2019	46	0

| Competition | | | | |

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
A Solid Waste Management System has been set up through several initiatives and innovation projects. Environment society PARITANTRA in conjunction with the NSS chapter of the college has initiated a slew of measures starting with anti-littering drives both within and around the college surroundings on a regular basis. The college has installed in its campus dedicated color coded bins for collection of dry and wet waste. It is a given that almost all required printing is to be carried out using both sides of the paper besides reducing the need for printing. Even the waste water flushed out of industrial RO plants in the college is stored and used for cleaning floors / corridors.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	106
Provision for lift	No	0
Ramp/Rails	Yes	106
Braille Software/facilities	Yes	106
Rest Rooms	Yes	106
Scribes for examination	Yes	101
Special skill development for differently abled students	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	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
2018	1	1	15/08/2018	15	Swachchta Pakhwara	Cleanliness in the Giri Nagar Area	177
2018	1	1	28/09/2018	2	Voters registration Camp	Awareness about the electoral process	17
2018	1	1	26/10/2018	1	Diwali Mela 'Sahyog'	Supporting NGOs working for differently abled	30

									persons, underprivileged people and orphans

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	19/03/2014	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. ANDC strictly follow code of ethics prescribed by University of Delhi. Also 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	01/09/2018	15/09/2018	177
National Youth Day	12/01/2019	12/01/2019	88
World Environment Day Celebrations	05/06/2019	05/06/2019	90
International Yoga Day	21/06/2019	21/06/2019	30
[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

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

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

The College remains committed to its mission of sustained dissemination of teaching – learning by keeping-up its diverse yet inclusive practices. 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 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 centres for strengthening mental health for all stakeholders. Further, the College plans to apply for UGC Paramarsh Scheme and Unnat Bharat Abhiyan. The College will attempt to establish the SWAYAM NPTEL Local Chapter. The College also aims to establish an Internal Biosafety Committee.