

# FOR 2<sup>nd</sup> CYCLE OF ACCREDITATION

### **DESHBANDHU COLLEGE**

H-BLOCK, KALKAJI, NEW DELHI-110019 110019 www.deshbandhucollege.ac.in

#### Submitted To

# NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL BANGALORE

November 2022

#### 1. EXECUTIVE SUMMARY

#### 1.1 INTRODUCTION

#### **About the College**

DESHBANDHU COLLEGE was established in 1952, by Ministry of Rehabilitation, in the memory of late Lala Deshbandhu Gupta - a veteran freedom fighter, Social Worker and Parliamentarian. The College made a humble beginning with 72 students and courses like Prep (Arts), Prep (Science) and Pre-medical. It was transferred to Ministry of Education and was granted the 12 B and 2 F status by the UGC in 1957.

The college continues to grow in size and stature being a fully maintained constituent college of Delhi University and has the distinction of being the oldest and the largest co-educational institution in South Delhi offering six Postgraduate and eighteen Undergraduate programmes in Arts, Commerce and Science stream including five Modern Indian languages namely Hindi, Sanskrit, Bengali, Punjabi and Sindhi, catering to over 5500 students annually.

The college has been one of the top gainers in Colleges Category in NIRF securing All India 96th rank in 2020, 60th rank in 2021 and 28th rank in 2022. The College was awarded the prestigious "DBT-Star College Scheme" by the DBT in 2019 and established the *i-4* Centre (Student Research Centre) for nurturing interdisciplinary research at Undergraduate level. The College boasts of strong research profile with more than 980 research papers in SCI/SCOPUS/UGC-CARE indexed journals and international and national refereed/peer-reviewed journals, books, book-chapters and Conference proceedings during the last five years.

A sprawling campus of 10 acres with more than 60% green cover, the College is a Green Campus with initiatives like solar panels, PNG for laboratories, rainwater harvesting, energy-efficient lighting and cooling and integrated composting facility. The college is 100% differently-abled accessible.

The departments, cells, clubs, societies and Students' Union organize conferences, seminars, workshops, sporting events, and other co-curricular, extra-curricular and outreach activities. Meritorious and needy students are provided scholarships and financial aid. Placement Cell provides suitable employment opportunities. Equal Opportunity Cell, SC-ST Cell, OBC Cell, EWS Cell, North-East Cell, N.S.S. and N.C.C. ensure social inclusivity. IQAC ensures quality benchmarking of the colleges. ICC and Women Development Cell discuss and address Gender related issues.

Vision

Motto

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"Karmanyevadhikaraste"- Right to affirmative action for performance of righteous action

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#### **Vision Statement:**

We envision Deshbandhu College to be an institute of excellence by nurturing vibrant and credible working spaces for creating new paradigms in teaching-learning, research, skill development, innovation and entrepreneurship by developing synergies amongst all stakeholders to reinforce nation-building based on principles of inclusivity, equity, probity and well-being.

Towards realizing this vision the College offers an enabling environment to all stakeholders providing support for their psychological needs and academic and creative aspirations leading to an informal, close-knit, friendly and supportive environment that encourages hard work, optimal performance and trailblazing accomplishments. Credible initiatives of the College to create this enabling environment are:

Blended Teaching-learning Pedagogy: The College constantly strives to augment, enhance and improve the Teaching-Learning pedagogy through various initiatives and IQAC has facilitated migration to Blended approach ensuring successful implementation of NEP-2020 by offering choice, flexibility, skill development, research orientation and value addition to the students empowering them to become active learners and partners in knowledge creation. The faculty has been enabled for creation and delivery of online resources, classes, assessment and monitoring tools to provide timely intervention for improvement of students. The college faced an unprecedented challenge in the form of Covid-19 pandemic but the IQAC enabled the College to quickly adapt to this new challenge successfully by organizing workshops and FDPs for the faculty.

Social Inclusivity and Nationalism: Nationalism, inclusivity, holistic development, societal engagement and outreach are etched in the ethos of the College and also help it achieve the objectives of NEP-2020 through programmes carried out by highly decorated and awarded NCC (all three wings-with Army and Navy having both Boys and Girls Units and Air-Force), vibrant NSS and proactive Eco-Club under Unnat Bharat Abhiyaan, Swachh Bharat Abhiyaan, Ek Bharat Shreshth Bharat, 'Nadi Ko Jano', blood donation camps, plantation drives and programmes on electoral literacy and environmental issues especially during the Covid-19 pandemic. Student societies like Dramatics and Theatre, Debating, Music and Performing Arts, Photography Club and Departmental Seminar Societies are tasked with developing, preserving and propagating the academic and cultural ethos of the country.

#### Mission

#### **Mission Statement:**

- 1. To focus on insightful teaching-learning environment that is truly liberating through free exchange of ideas for developing a-ompassionate, capable, competent and globally competitive human capital.
- 2. To harness creative energies and honing the skill–set of all its stakeholders enabling them to become the forces of change we wish to see in the world
- 3. To inspire innovations and incubate ideas for achieving passions and dreams contributing towards a self-reliant India.
- 4. To ensure holistic growth and development by diligently performing one's duties, reinforcing high moral values, embracing cultural diversity and energizing a sensitive, socially just, inclusive and patriotic community to uphold core ideals enshrined in our Constitution.
- 5. To work in consonance with the entire eco-system achieving harmonious living by conservation and

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optimal utilization of resources, thereby achieving the Supreme ideals of life.

#### **Objectives:**

- 1. To impart knowledge that would free the students from the clutches of ignorance and direct them on the path of righteousness and inner awakening.
- 2. With a focus on teaching and creative learning environment, our endeavour is to nurture our students and help chart their own destiny.
- 3. Through academics, cultural pursuits, music, dance, drama, debates, quiz, photography or film making, NCC, NSS, sports, gender development, working for the under-privileged, environment conservation, we strive to harness energies of our students for their holistic development.
- 4. To fuel entrepreneurship and leadership skills amongst our student community enabling them to become catalysts for making India an economic powerhouse.
- 5. To nurture and guide our learners firing their minds with scientific temper and a spirit of enquiry producing research catering to diverse social, cultural and technological needs leading to sustainable development and optimal utilization of resources.
- 6. We strive to carry forward our founder Lala Deshbandhu Guptaji's legacy of selfless service, social empowerment and greatest good of all by achieving the real objectives of education.

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

#### **Institutional Strength**

#### **Strengths**:

- 1. **Implementation of NEP-2020**: The College has completely adopted and implemented the new structure and curriculum approved by the University of Delhi as per NEP-2020 and started the four-year degree program with different courses like Core, Elective, Ability Enhancement, Skill Enhancement and Value Added courses with option to students for choosing all courses except core courses and also offering multiple entry and exit options.
- 2. **Research, publication, DBT-STAR College Scheme and** *i-4* **Center**: The College boasts of a strong research profile with five research laboratories, *i-4* (Inspire Interdisciplinary Ideas for Innovations) Center where faculty from different departments are collaborating to produce cutting edge research in interdisciplinary areas and was awarded the DBT-STAR College scheme in 2019 and more than 45 research projects involving more than 30 faculty and 150 students were approved out of which 17 have been completed. The faculty publications are a testimony to this and they alongwith the students aim to become beacons for 'Atmanirbhar Bharat'.
- 3. Infrastructure Augmentation and Green Campus: The College implemented a major infrastructure augmentation program catering to growing demands and needs of its stakeholders including extension of Science Block and library. It is a green campus and successfully conducted its Green Audit from a Government certified agency and was conferred the "World Ecology Environment and Development" award by International Association of Educators for World Peace (affiliated to UN) and "Plastic Free College" Awards by the International Association of Educators for World Peace, Indian Institute of Ecology & Environment and National Institute of Cleanliness Education & Research in 2018.
- 4. **Library**: The College library is one of the largest and best-maintained libraries in DU being ranked the 'Best College Library' in the University in 2020 in a study published in DESIDOC Journal of Library and Information Technology, DRDO and recipient of 'Best managed Library Award-2017' by

- International Association of Educators for World Peace (affiliated to UN).
- 5. **Sports**: Sports is considered to be the Hallmark of Deshbandhu College with its students winning laurels in Archery, Athletics, Badminton, Boxing, Carom, Chess, Cricket, Football, Judo, Kabaddi, Power-lifting, Shooting, Taekwondo, Volleyball, Weight-lifting, Wrestling and Yoga.

#### **Institutional Weakness**

#### Weaknesses:

- 1. **Hostel Facility**: The college admits around 60% outstation students but lacks hostel facility. To address this problem the College has sent a detailed proposal to UGC for sanctioning a 120 bedded girls hostel. Further the college has tied up with various private hostels to provide economical accommodation to its outstation students.
- 2. Big Auditorium: The existing auditorium of the college with a seating capacity of 200 persons is inadequate for a college having around 5500 students and over 200 faculty. At present the College uses external facilities for organizing events, which have a larger participation and has sent a detailed proposal to UGC for construction of a modern auditorium and multi purpose hall with a seating capacity of 600 persons.
- 3. Lack of Football/Cricket ground: After the bifurcation of the college into Deshbandhu College and Ramanujan College the football/cricket ground land went to Ramanujan College. The new plan of the college envisages a new cricket/football ground where the Dr. B. R. Ambedkar Block/old block exists. However its demolition will happen only after construction of the new arts block. Presently the College hires slots from different stadiums and sports grounds for providing training to its cricket/football teams.
- 4. **Staff Quarters**: The College at present lacks staff quarters for its teaching and non-teaching staff though the college has plans to include it in its future blueprint for infrastructure development.

#### **Institutional Opportunity**

#### **Opportunities**:

- 1. **Skill-based and Vocational courses**: The College received approval from UGC in 2020 for starting five B. Voc. Courses in Tourism and Hospitality Management, Housekeeping Operation and Management, Retail Management, Graphical Design and Digital Marketing and in Health Care Management. The College duly signed MOUs with the Tourism and Hospitality Skill Council, Retailer's Association Skill Council of India, Media and Entertainment Skills Council and Hospitality Sector Skill Council and six industry partners as per the statutory requirements. However 60% weightage in these courses is for industry training and assessment, hence due to the Covid-19 pandemic these courses could not be started. The college now proposes to start certificate and diploma courses in different Skill areas and also revisit these courses so that they may be started fulfilling the mandate of NEP-2020.
- 2. Locational Advantage: Deshbandhu College being situated in the heart of South Delhi has tremendous locational advantage in terms of its proximity to industries and companies across all sectors. The college is drawing up plans to leverage this advantage by creating Industry-Academia linkages in alignment with academic and skill development requirements and add value to its students. The College is collaborating with Delhi Effective Education and Pedagogy Cluster under Delhi Research Implementation and Innovation, one of the Science & Technology City Clusters established by the office of the Principal Scientific Advisor to Govt. of India, to sign MOU with them for undertaking

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researches including innovations and other studies supported by the Industry under their CSR funding.

- 3. **Recruitments**: The College is in the midst of major faculty recruitment drive and aims to encourage its newly recruited permanent faculty to apply for new research grants, set up new research labs and enhance its research publication profile. The College has advertised all its teaching and non-teaching positions and recruitments are underway.
- 4. **Student Progression**: The College has embarked on an ambitious target to ensure that all its students either opt for higher education or take up opportunities in placements, entrepreneurship, startups and innovations. The college already has an impressive record in student progression and plans to capitalize on it further.

#### **Institutional Challenge**

#### **Challenges:**

- 1. **Innovation and Incubation Center**: An important objective of NEP-2020 is self-reliance through innovations and skill development. The college has set up a one of its kind interdisciplinary center for innovations- *i-4* Center to execute its long-standing resolve of creating such an ecosystem. However funding constraints and Covid-19 pandemic severely impacted this effort, which is now again gaining momentum. Another key challenge is that the college is yet to start or associate with an incubation center, which can give wings to the creative ideas of its students and faculty for creating arenas of growth.
- 2. **Startups**: Despite all the efforts that the College is making it has still not been able to produce a startup though many of its students are entrepreneurs or are handling businesses. The College through its Entrepreneurship Cell, Placement Cell and *i-4* Center is involved in creating an ecosystem where the fertile minds of the students are nurtured to produce startups.
- 3. **Schemes**: The College, in the last five years, has made several efforts to apply under various schemes of Government of India, its ministries and different funding agencies. However the College has not been able to apply for some key schemes like DST-FIST scheme since the college does not have postgraduate courses in science departments and UGC-SAP scheme since only University Departments are eligible for it. Further the College has not been able to apply for the Teaching Learning Center under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching since this scheme is closed for institutions in Delhi region.
- 4. **Data collection and collation**: The College is regularly submitting its AQAR to NAAC, its institutional data to AISHE and is participating in the NIRF rankings and India Today rankings annually and also submit its data to the University for its annual report and also for QS World rankings. While the College has established a credible system for data collection but is now trying to make this process completely online and create backend software linked to its website so that different offices, faculty and students can fill their respective data themselves.

#### 1.3 CRITERIA WISE SUMMARY

**Curricular Aspects** 

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The College is affiliated to the University of Delhi and follows the Academic Calendar, structure and content of the courses as approved by the university from time to time. The college publishes a detailed prospectus that contains all information regarding the programmes and courses offered and also updated on the College websites. The college ensures effective curriculum delivery wherein each faculty maintains a teacher diary containing the time-table, syllabus, and lesson plans for each paper, involves in continuous internal evaluation and end semester examination of the students in accordance with the academic calendar. Syllabus covered, adherence to lesson plans and challenges faced, if any are monitored through Departmental meetings. The College conducted 34 add-on courses between 2017-18 and 2021-22 with a total student participation of 564 at an average of 16 students per course. Deshbandhu College acquaints its students with the human values, motivates them to not engage in discriminatory practices and create environmental awareness. Ensuring this aim the college offered 33 courses across departments and conducted 27 activities and events through its societies, cells and clubs. Experiential learning is being given a major push with 44.39% of students (2370 out of 5339 students) engaged in such courses or activities and the college conducting 33 visits or activities across 10 departments in 2021-22. The college has a robust and credible feedback mechanism and its analysis is not only shared on the college website but also with all concerned departments and offices for improvement.

#### **Teaching-learning and Evaluation**

The admission process of the College is completely online and is integrated with the Delhi University (DU) admission portal. The College has consistently recorded a very high enrollment percentage with a five-year average coming to 98.97%. The five-year average percentage of seats filled for different reserved categories was 78.87% demonstrating the College's strong resolve towards social justice and inclusivity. The college maintains a healthy faculty-student ratio with a five-year average of one faculty per 23.5 students. Deshbandhu College is relentlessly working towards transforming its teaching-learning spaces in every dimension by completely adopting the Blended teaching-learning pedagogy and implementing the four-year degree programme of DU as per NEP-2020 providing students a wide choice from a bouquet of skill-based, experiential-learning, ability enhancement, value-added and research oriented courses for ensuring their holistic development and multiple entry and exit options. In order to explore and undertake experiential and participative learning students and faculty undertook 18 visits to research labs and institutes and 6 visits to educational institutes. Entire college is Wi-Fi enabled and all classrooms are ICT enabled and the college also has 9 smart classrooms, seminar/conference rooms and labs. Faculty is the foundation to maintain quality teaching-learning environment in the college and to ensure this the college has maintained a five-year average of 97.12% full-time faculty against sanctioned posts and 100% faculty are either Ph.D. or NET/SET/SLET qualified. Deshbandhu College fully adheres to DU guidelines and framework regarding evaluation and examination. All departments of the College conduct regular internal assessment in the form of assignments, projects, presentations, viva-voce and tests. Timely announcements regarding tests/ due dates are made to afford students time for preparation. Grievances are redressed by the teacher concerned, mentors and moderation committee. The curriculum and syllabi of all programmes and courses contain Programme Outcomes (POs) and Course Outcomes (COs) under the Learning Outcome based Curriculum Framework and the high pass-percentage of 95.66% is a testimony to the attainment of POs and COs. The high satisfaction levels of our students is borne out by the fact that close to 75% of our students have given us a good to satisfactory rating.

#### Research, Innovations and Extension

The College has a strong research profile bagging nine research grants with funding in excess of Rs. 2.91

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Crores and seven for conferences with funding of Rs. 38.66 Lakhs from different agencies. It boasts of five research laboratories where faculty from departments of Mathematics, Zoology, Chemistry, Physics, Botany, Computer Science and Biochemistry are collaborating to produce cutting edge research in interdisciplinary areas. The College conducted 50 Seminars/Workshops/Conferences on Research Methodology, IPR and Entrepreneurship during last five years with an average of 10 such events annually. In last five years the faculty produced 717 research publications in International and National refereed journals including those indexed in Scopus and Web of Science with an average of 3.13 papers per faculty, authored more than 267 books and book chapters with an average of 1.09 papers per faculty and 120 International and National Conferences presentation. 22 faculty are registered as research supervisors with 54 research scholars registered under them during the last five years and many of them have been awarded Ph. D. degree. The College was awarded the prestigious DBT-STAR College scheme in 2019 to promote research at Undergraduate level and more than 45 research projects involving more than 30 faculty members and 150 students were approved out of which 17 have been completed. The i-4 Center was established by the College to inspire interdisciplinary ideas for innovations, expose students to latest researches, lighting the fire of enquiry in them and become beacons for 'Atmanirbhar Bharat'. There are two Senior Divisions (boys and girls) of NCC in both Army and Navy one Air Wing involved in nurturing a spirit of Nation-building. The NSS, NCC, Eco-club and other student bodies conducted 197 extension and outreach programmes including those under Unnat Bharat Abhiyaan, Swachh Bharat Abhiyaan, Ek Bharat Shreshth Bharat, 'Nadi Ko Jano', blood donation camps, plantation drives and programmes on environmental issues and electoral literacy especially during the Covid-19 pandemic with an average of 40 programmes annually. The college has signed 25 MOUs and conducted 25 collaborations for student internships, faculty and student exchange, field-trips, on-the-job training and research and academic activities.

#### **Infrastructure and Learning Resources**

The Deshbandhu College's sprawling campus and infrastructure including ICT facilities provide a healthy environment for holistic development of all stakeholders with 56 classrooms and tutorial rooms, 04 Lecture Theaters (Physics, Chemistry, Botany and Zoology), 21 laboratories, 05 research laboratories, 01 museum, a well equipped library, departmental rooms for each department, common staffroom, medical cum first-aid room, separate common room for boys and girls, bank, 01 canteen (seating capacity: 100), 01 open cafeteria, 04 NCC rooms, 01 NSS room, One multi-purpose Main stage and one amphi-theatre, 01 Central Research Facility, 02 smart committee rooms (seating capacity: 50 each), 01 smart conference/seminar room (seating capacity: 90), 01 seminar room in library (seating capacity 32), Swami Vivekanand Auditorium (seating capacity: 200), gymnasium, photocopy shop, facilities for various sports including Archery, Athletics, Badminton, Boxing, Chess, Cricket, Football, Judo, Kabaddi, Power-lifting, Shooting, Taekwondo, Volleyball, Weight-lifting, Wrestling and Yoga and has 12 student clubs and societies namely Deshbandhu Dramatics Society (DDS): a) Stage Players b) Street Players, English Debating Society: Dialecticians, Hindi Debating Society: Antradrishti, Quiz Society: Quizzards (Jigyasa), Photography Society: Sharpshooters, Short Film Making Society: Occulus, Indian Dance Society: Riwayat, Western Dance Society: D-Squad, Music Society: Timbre, Fashion Society: Audaz and Fine Art and Craft Society: Art Meistersfor various cultural activities. The college expenditure excluding salary has shown an 813.6% increase with a major focus on infrastructure augmentation (26.36% of total expenditure excluding salary) with the addition of the new Science Block and academic and physical facilities maintenance (17.71% of total expenditure excluding salary). The College Library is fully automated with LSEase Library software of Libsys Corporation, differently-abled friendly, has a collection of 119286 books, subscribes to 46 magazines and 27 newspapers and provides access to 6000+ ejournals and 1,99,500+ e-books through NLIST of Delhi University. The college has 177 desktops, 1852 laptops, 46 printers and scanners, 03 LED Screens, 11 interactive Touchscreens, 25 projectors, 103 CCTV

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cameras, 03 servers, 11 wireless routers, 16 d-link switches, 02 touchscreen and 02 barcode scanners and proprietary and free and open source software. The student to computer ratio is 3.21:1 for the session 2021-22.

#### **Student Support and Progression**

The College has a strong commitment to implementing schemes for a socially inclusive environment and promoting excellence in academics through scholarships and freeships, which either the college provides or facilitates for different government schemes and 25.84% students have been provided with financial support. To hone the talent of its students and contribute towards their capacity building the college organized 60 activities in the fields of soft-skills, language and communication skills, life-skills and ICT/Communication Skills. With a focus on increasing the employability of the students the college provides career counseling sessions and guidance for competitive examination and 5277 students (21.47%) have benefitted from these efforts. To address and timely redress the grievances of the students the College has formed many grievance redressal committees like Student, SC/ST, OBC and Examination Grievance Committees, Proctorial and Anti-Ragging Committee, Equal Opportunity Cell, North-East Cell and the statutory Internal Complaints Committee. A total of five complaints on sexual harassment and gender related issues were received by ICC in last five years and all were closed within 15 days. The efforts of the college through its placement cell, other cells and 'Dhyey'-Civil Services Guidance programme and also through the departments resulted in 3407 students (49.99%) either getting placed or opting for higher education. Further 301 students appeared for State/National/International level academic and competitive examinations out of which 209 students were selected (69.44%). One hundred and thirty-two medals/prizes/accolades were won by College students participating in seventy sports/cultural activities at the University/State/National/International level, a testimony to the colleges' all-round excellence. The College Alumni Association, formed on 5th September, 2018, ensures the connect of the alumni with their alma-mater so that Deshbandhu College community continues to grow and maintain healthy communication. The Alumni Association actively contributes in academic matters, student support and mobilization of resources. Association commenced the fund raising from its alumni faculty members and was able to collect Rupees 37,647. In 2021-2022, the college took the decision to take Rupees 100 from all final year students for their registration in Alumni Association. The Alumni Fund contribution from these students was Rupees 1,75,000 in the year 2021-2022.

#### Governance, Leadership and Management

The College has a well-defined Motto, Vision, Mission, Objectives and organogram. The Governing body ensures overall management of the College. The College has democratic and participative decision-making process with Staff Council as the overarching body comprising all faculties as its members and Principal as its Chairperson. Its different committees cover all aspects of governance including policy decisions, academics, admissions, workload and time-tables, examinations, purchase and procurement, infrastructure development and building and campus maintenance, sports facilities and library, cultural events, extension lectures, discipline. Faculty members elect the Convener and Members of different committees. The Departments are responsible for planning and delivery of different academic programmes. A well-defined citizen charter and quality policy ensures prompt and timely delivery of services for all stakeholders and they are governed through well-defined code-of-conduct rules. The college has deployed its strategic plan ensuring infrastructure development including extension of Science Block and library, Green Campus and establishment of *i-4* center for interdisciplinary research. The College has implemented e-governance in all areas of operation viz. administration, Finance and Accounts, Student Admission and Support and Examination. It has well-defined appraisal system with its teaching and non-teaching employees submitting Annual Performance Appraisal

Reports. The IQAC and College administration ensures timely career advancement of all eligible employees with no backlogs. An average of 34.6% of faculty and non-teaching staff have attended capacity building programmes in last five years and 3.26% of faculty have been provided financial assistance for attending them. Resource mobilization is done through grants from UGC, other funding agencies, student fees and philanthropies. Annual financial auditing is conducted by AGCR, a government auditing body. External audits are conducted by CAG. Objections and questions of any kind during the audit are promptly addressed by presenting relevant documents to the auditors. The IQAC develops and implements the student nurturing system with student management system, blended pedagogy, feedback mechanism, mentor-mentee programme and student research projects as its constituents and monitors the same through its regular meetings with 80 meetings held from 2017-2022, collaborative quality initiatives, participation in NIRF and other rankings and accreditation from NAAC including regular submission of its AQAR.

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

Deshbandhu College is committed to the equality and empowerment of women and other genders through its Internal Complaints Committee (ICC) and Women Development Cell. The College signed a MOU with the NGO POSCHA (Prevention of Sexual Harassment and Child Abuse) to collaboratively organize awareness programs and legal ICC trainings on gender sensitivity. The NCC, NSS, cells, clubs and student societies ensures that students are exposed to ideas of societal engagement, nationalistic fervor and patriotism by celebrating various national and international commemorative days. The college has commissioned a 72.36 kW rooftop solar PV plant, LED lighting and 5-star rated and VRVF air-conditioning, Advanced Integrated Composting Facility, integrated rainwater harvesting system with two rainwater-harvesting tanks and development of a roughly 4 acre greenbelt, where the already existing rocky layers were dug up and reversed and the soil beneath was brought up to prepare the landscape, act as a rainwater-harvesting system. The college has signed MOU with different waste management agencies for management of its green, plastic, paper and ewaste and with Ramanujan College using their STP for sewage water treatment and reusing it. Water conservation is ensured by minimizing water usage, maintenance of valves, low flow taps, hose-nozzles, recharging the aquifers and increasing groundwater level. The College is 100% differently-abled friendly. The college has conducted green audit from government approved external agency and conducts environment awareness and conservation drives. The college nurtures and strengthens a socially and culturally inclusive environment through activities of NSS, NCC, YUVA, cells, clubs, twelve cultural/extra-curricular student societies, North-east Students Society and Students' Union and through its annual cultural festival 'Sabrang'. Towards establishing credible teaching-learning spaces the college has implemented two best practices: (a) Deshbandhu Green Drive for transforming its campus into a Green Campus and integrate environmental consciousness into its curricula; (b) Established the i-4 center for inspiring inter-disciplinary ideas for innovations and promoting research at undergraduate level. For providing a platform to all stakeholders for achieving excellence in their endeavors the college embarked on a major infrastructure augmentation drive by adding a new Science Block, extending the library and converting the campus into a green campus.

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### 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College			
Name	DESHBANDHU COLLEGE		
Address	H-Block, Kalkaji, New Delhi-110019		
City	New Delhi		
State	Delhi		
Pin	110019		
Website	www.deshbandhucollege.ac.in		

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Rajiv Aggarwal	011-26439565	8510010405	-	dbcollege.du@gma il.com
IQAC / CIQA coordinator	Aditya Saxena	091-9810505144	9810505144	-	asaxena@db.du.ac.

Status of the Institution	
Institution Status	Constituent

Type of Institution		
By Gender	Co-education	
By Shift	Regular	

Recognized Minority institution	
If it is a recognized minroity institution	No

## Establishment Details

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State	University name	Document
Delhi	University of Delhi	View Document

Details of UGC recognition				
<b>Under Section</b>	Date	View Document		
2f of UGC	01-01-1957	View Document		
12B of UGC	01-01-1957	View Document		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)					
Statutory Recognition/App Regulatory Authority Repartme nt programme  Recognition/App roval details Inst justion/Departme nt programme  Day,Month and year(dd-mm-yyyy)  Remarks months					
No contents					

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus					
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.	
Main campus area	H-Block, Kalkaji, New Delhi-110019	Urban	10.3	14728	

### 2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Pr ogramme/C ourse	Duration in Months	Entry Qualificatio n	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BA,Departm ent Of Ba Prog	36	Senior Secondary	English	315	315
UG	BA,Departm ent Of Economics	36	Senior Secondary	English	78	77
UG	BA,Departm ent Of English	36	Senior Secondary	English	83	83
UG	BA,Departm ent Of Hindi	36	Senior Secondary	Hindi	82	82
UG	BA,Departm ent Of History	36	Senior Secondary	English	151	151
UG	BA,Departm ent Of Political Science	36	Senior Secondary	English	162	162
UG	BA,Departm ent Of Sanskrit	36	Senior Secondary	English	78	61
UG	BCom,Depar tment Of Commerce	36	Senior Secondary	English	107	107
UG	BSc,Depart ment Of Biochemistr y	36	Senior Secondary	English	42	42
UG	BSc,Depart ment Of Botany	36	Senior Secondary	English	78	75
UG	BSc,Depart ment Of Chemistry	36	Senior Secondary	English	78	75
UG	BSc,Depart	36	Senior	English	45	45

	ment Of Chemistry		Secondary			
UG	BSc,Depart ment Of Mathematics	36	Senior Secondary	English	117	114
UG	BSc,Depart ment Of Physics	36	Senior Secondary	English	154	114
UG	BSc,Depart ment Of Physics	36	Senior Secondary	English	78	70
UG	BSc,Depart ment Of Zoology	36	Senior Secondary	English	78	54
UG	BSc,Depart ment Of Zoology	36	Senior Secondary	English	80	80
UG	BSc,Depart ment Of Computer Science	36	Senior Secondary	English	78	67
PG	MA,Departm ent Of English	24	Graduation	English	39	15
PG	MA,Departm ent Of Hindi	24	Graduation	Hindi	39	18
PG	MA,Departm ent Of Political Science	24	Graduation	English	39	36
PG	MA,Departm ent Of Sanskrit	24	Graduation	English	39	14
PG	MCom,Depa rtment Of Commerce	24	Graduation	English	39	10
PG	MSc,Depart ment Of Mathematics	24	Graduation	English	39	5

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

	Teaching Faculty											
	Profe	Professor			Assoc	Associate Professor			Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government		1		16			1	63		1		148
Recruited	10	6	0	16	24	39	0	63	77	69	0	146
Yet to Recruit				0				0				2
Sanctioned by the Management/Soci ety or Other Authorized Bodies				0				0				0
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit		'	1	0		'	1	0			'	0

	Non-Teaching Staff					
	Male	Female	Others	Total		
Sanctioned by the UGC /University State Government				179		
Recruited	107	22	0	129		
Yet to Recruit				50		
Sanctioned by the Management/Society or Other Authorized Bodies				0		
Recruited	0	0	0	0		
Yet to Recruit				0		

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Technical Staff						
	Male	Female	Others	Total		
Sanctioned by the UGC /University State Government				4		
Recruited	2	0	0	2		
Yet to Recruit				2		
Sanctioned by the Management/Society or Other Authorized Bodies				0		
Recruited	0	0	0	0		
Yet to Recruit				0		

### Qualification Details of the Teaching Staff

	Permanent Teachers									
Highest Qualificatio n	Professor		Associate Professor			Assistant Professor				
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	10	6	0	18	31	0	8	8	0	81
M.Phil.	0	0	0	6	8	0	5	1	0	20
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

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	Temporary Teachers									
Highest Qualificatio n	Professor		Associate Professor			Assistant Professor				
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	41	37	0	78
M.Phil.	0	0	0	0	0	0	23	23	0	46
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

	Part Time Teachers									
Highest Qualificatio n	Professor		Associate Professor		Assistant Professor					
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty	Male	Female	Others	Total
engaged with the college?	0	0	0	0

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	317	806	0	0	1123
	Female	230	421	0	0	651
	Others	0	0	0	0	0
PG	Male	49	11	0	0	60
	Female	29	9	0	0	38
	Others	0	0	0	0	0
Certificate /	Male	0	0	0	0	0
Awareness	Female	0	0	0	0	0
	Others	0	0	0	0	0

## Provide the Following Details of Students admitted to the College During the last four Academic Years

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	180	137	197	159
	Female	94	52	96	71
	Others	0	0	0	0
ST	Male	50	51	57	39
	Female	34	24	21	20
	Others	0	0	0	0
OBC	Male	400	252	313	307
	Female	139	102	86	69
	Others	0	0	0	0
General	Male	677	343	537	588
	Female	322	650	329	292
	Others	0	0	0	0
Others	Male	43	0	0	0
	Female	8	0	0	0
	Others	0	0	0	0
Total		1947	1611	1636	1545

#### Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:

Deshbandhu College has evolved as a multi-disciplinary institution with twenty academic departments spanning across Sciences, Humanities, Social Sciences and Languages. This transforms into a comprehensive educational framework based on imparting learning tools in four specific disciplines, namely, Science, Technology, Engineering, and Mathematics (STEM) to our students. The college adheres to the course structure as approved by the University, and also allows diverse elective papers to our students within departments offering flexible and innovative curriculum. The college will adhere to the 4-year curriculum framework with multiple entries and exits as provided by the University. The college

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boasts very active and vibrant NSS and NCC units, ECO club, ICC, EBSB, UBA and other teams fostering community engagement and spirit of social service. The college has established the I-4 Centre with the objective of encouraging multidisciplinary research at UG level based on NEP 2020 guidelines.

#### 2. Academic bank of credits (ABC):

The College is taking many initiatives to implement Academic Bank of Credits (ABC) framework as approved by the University. The college already has online student management system (ERP) in place, with complete student academic progress report including internal assessment and attendance records, internal evaluation, examination and other details. This online student portal system allows seamless flow and access of all the students' records between the college and the University. The college also offers various elective courses under the able guidance of our teachers allowing choice of programs and credit transfer to our students. The college also encourages our students to benefit from collaboration with other foreign Institutes at the Universities level. The college has completely migrated to the blended mode of teaching-learning pedagogy where our faculty provides necessary online and offline resources to our students. Our faculty is also engaged in content development like educative instructional and demonstrational videos, to address learning gaps beyond classroom teaching. The College also conducts special tutorial classes, student workshops and remedial sessions for students to promote better learning.

#### 3. Skill development:

The college offers to its students diverse Skill Enhancement to develop aptitude learning, soft skill promotion as per the University curriculum. The Generic elective courses are aimed to develop discipline related skills and hands-on approach in learning. The college also organizes student-training sessions/ discussions to promote value based education and ethical learning. The College has in principle approval from UGC for offering vocational courses in Tourism & Hospitality Management, Housekeeping Operations and Retail Management, Graphical Design and Digital Marketing and Health Care Management designed to promote skill based learning. The college also offers language skill courses as part of the ability Enhancements for our students. To expand this our College has also signed

MoU's with four different Sector Skill Councils. The college has the necessary approvals from UGC and tie up with the National Skill Development Council (NSDC), and SSCs for offering skill courses/training to our students. A unique platform named DBC I-4 Center to Inspire Inter-disciplinary Ideas for Innovation and Skill Promotion has been built based on the generous support received under DBT-STAR College scheme and using college's internal resources. Very recently the College has been made Co-Hub for South Cluster of Cluster Colleges (Knowledge Network) of Delhi University for Skill Development and implementation of NEP-2020.

4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):

The College has a vibrant and huge Indian languagelearning ecosystem in place. It has one of the maximum number of Language departments within the University namely (i) Hindi (ii) Sanskrit (iii) Bengali (iv) Sindhi (v) Punjabi and (vi) English offering full programs/courses to our students in different India Languages covering its origins and role in shaping our Culture and rich Knowledge traditions. The college constantly encourages its faculty to advance their teaching skills by attending Faculty Development Programs (FDPs), Refresher courses, academic seminars and conferences at different levels. It is notable to mention that the college recently organized National Conference of NEP-2020 in which faculty and researchers from across the country presented their research papers on various themes like Ancient Indian knowledge system, art and culture, indigenous traditions and importance of Indian languages.

5. Focus on Outcome based education (OBE):

The college has completely adopted the outcome based learning model as per the curriculum and framework approved by Delhi University. Our robust and all-inclusive evaluation system allows us to constantly monitor the progress of our students. It is a technologically driven model based on regular monitoring and evaluation of learning abilities of our students. Based on these learning outcomes from the students, our faculty plans necessary guidance and support for these students to better adapt and understand the learning objectives and outcomes. In order to create the best teaching-learning environment for its students the college has completely implemented the blended teaching-learning pedagogy. This whole exercise allows our

	students to gain from the necessary expertise, knowledge skills and capabilities about their course objectives and subjects.
6. Distance education/online education:	The College has evolved a Learning Management System across its many programs while adhering to the blended mode of teaching and learning for the students. Our college also engages and ensures participation of students in other e-learning platforms. To ensure easy online teaching, the college has subscribed to various LMS tools like Googlesuite, Google Meet, Jamboard, Google Classroom, and Microsoft Teams software to ensure seamless education for our students. These online modes of teaching are developed in line with NEP 2020 objectives.

### **Extended Profile**

#### 1 Students

#### 1.1

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

2021-22	2020-21	2019-20	2018-19	2017-18
5339	5104	4698	4748	4684

File	e Description	Document
Upl	load supporting document	<u>View Document</u>
Inst	titutional data in the prescribed format	View Document

### 2 Teachers

### 2.1

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

Response: 243

3	File Description	Document
	Upload supporting document	View Document
	Institutional data in the prescribed format	View Document

#### 2.2

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

2021-22	2020-21	2019-20	2018-19	2017-18
225	219	207	199	192

### 3 Institution

#### 3.1

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

2021-22	2020-21	2019-20	2018-19	2017-18
2115.13	1770.55	1602.36	301.63	259.97

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### 4. Quality Indicator Framework(QIF)

### **Criterion 1 - Curricular Aspects**

#### 1.1 Curricular Planning and Implementation

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

#### **Response:**

The college is affiliated to the University of Delhi and as such follows the structure and content of the courses as approved by the university from time to time. The University itself has a systematic structure for effective curriculum delivery which we strictly adhere to. However, in accordance with the specific requirements of the stakeholders the college takes various measures to ensure that the process of curriculum delivery takes place in an uninterrupted and effective manner. The college publishes a detailed prospectus every year that contains all information regarding the programmes, courses and papers offered by the college. This information is also updated on the College and departmental websites. Once the students are admitted, orientation sessions are held at the college as well as the departmental levels to apprise the students of their course structure. The timetables for each course as well as for each faculty are prepared adhering to the university requirements of paper credits allotted to each course.

For an effective curriculum delivery, each faculty member maintains a teacher diary that has the time-table, syllabus, and lesson plans for each paper. Departmental meetings are held at specific intervals throughout the semester, where the Teacher-In charge discusses the portions of the syllabus covered, if the teaching-learning is being conducted as per the lesson plans and challenges faced, if any. Special attention is provided to the students who face any difficulty in understanding the lectures, during the tutorial classes. For students who are actively engaged in sports, or extracurricular activities, remedial or extra classes are arranged.

For effective curriculum delivery, the college has ICT enabled classrooms as well. Apart from the infrastructural upgradation, the faculty members attend orientation courses, refresher courses and faculty development programmes to ensure that they engage in the curriculum delivery process to the best of their potential.

The college follows the academic calendar of the university and the teaching plans are prepared accordingly. The teaching-learning process and the continuous internal evaluation of the students through the semester are scheduled in accordance with the academic calendar. The University of Delhi has an evaluation structure, wherein 75% marks are awarded on the basis of end term examination and the rest 25% are awarded on the basis of continuous internal evaluation done through the semester. The students are evaluated through assignments, tests, quizzes, individual or group presentations. During pandemic, all assignments were submitted, evaluated and stored on the Google Classroom or Microsoft Teams. A screening of these marks is done by the departmental moderation committee and they suggest moderation wherever required. The final internal evaluation is shared with the students through college ERP. The internal assessment scores are then sent to the University at the end of each semester. Complete transparency is maintained by the college throughout this process. For the completion of such tasks, notices are issued by the college, specifying the last dates, in strict adherence to the University calendar and each faculty completes the process at their end in a time bound manner.

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File Description		Document
Į	Jpload Additional information	View Document
F	Provide Link for Additional information	View Document

#### 1.2 Academic Flexibility

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

**Response:** 09

 File Description
 Document

 Upload supporting document
 View Document

 Institutional data in the prescribed format
 View Document

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

Response: 2.3

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

2021-22	2020-21	2019-20	2018-19	2017-18
142	144	139	82	57

File Description	Document
Upload supporting document	<u>View Document</u>
Institutional data in the prescribed format	View Document

#### 1.3 Curriculum Enrichment

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

#### **Response:**

We at Deshbandhu College believe that the aim of education is not just the academic growth of the students, but also acquaint them with the human values that ensure that whatever professional fields they

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enter; they prove to be not just technically sound in the area of their core competence but also become good human beings who care for their fellow beings, do not engage in discriminatory practices and are concerned about their environment. Ensuring this aim the college has several societies and clubs that are very effectively contributing towards creating awareness as well as through their positive contributions in bringing about real changes. However, we realize that the problems related to gender, environment and other human values are not just local issues but serious notions that demand a structured, comprehensive and detailed understanding and approach. In light of this understanding the college offers various papers across courses as part of the curriculum that contribute towards a conceptual development on the issues. The syllabus and structure for all the programmes running in the college is in accordance with the University, so the college doesn't have much liberty in that aspect. However, the college, at its own level, ensures that maximum departments offer those papers as their elective courses that focus on the issues of environment, gender, ethics and human values. Students are also encouraged and sensitized to choose such courses as it will add to their academic development as well as in becoming better citizens and human beings. A paper on Environmental Studies or EVS is, for example, a compulsory paper that each student of the college studies as a compulsory course, in accordance with the university guidelines. There are several other elective papers offered by departments like Biochemistry, Botany, Chemistry, Computer Science, Mathematics, Physics and Zoology. Likewise, gender issues have been discussed and dealt with in an astute manner in papers offered by Philosophy, English, Political Science History, Hindi, Sanskrit, Economics, Commerce and some other departments that engage in teaching BA Programme students. A detailed list of all such papers and the courses that they are associated with, is attached and the list itself gives a fair idea about the content and the ideas discussed in these papers. The link for the details of such papers and activities and events organized are also attached.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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

Response: 44.39

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

Response: 2370

File Description	Document
Upload supporting document	<u>View Document</u>
Institutional data in the prescribed format	<u>View Document</u>

#### 1.4 Feedback System

#### 1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from

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various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website (Yes or No)

**Response:** Yes

File Description	Document
Upload supporting document	<u>View Document</u>

### **Criterion 2 - Teaching-learning and Evaluation**

#### 2.1 Student Enrollment and Profile

#### 2.1.1 Enrolment percentage

Response: 98.97

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

2021-22	2020-21	2019-20	2018-19	2017-18
1872	1947	1611	1636	1545

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

2021-22	2020-21	2019-20	2018-19	2017-18
1944	1944	1719	1547	1547

File Description	Document
Upload supporting document	<u>View Document</u>
Institutional data in the prescribed format	View Document

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

Response: 78.87

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

2021-22	2020-21	2019-20	2018-19	2017-18
987	959	664	776	668

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

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2021-22	2020-21	2019-20	2018-19	2017-18
1264	1264	1020	796	796

File Description	Document	
Upload supporting document	View Document	
Institutional data in the prescribed format	View Document	

#### 2.2 Student Teacher Ratio

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

**Response:** 23.73

#### 2.3 Teaching- Learning Process

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

#### **Response:**

To enhance the learning experience, we have adopted student centric methods, such as experiential learning and participative learning; and use of ICT.

- Hands-on learning, field visits, demonstrations and workshops.
- Students are involved in faculty guided projects, especially under the DBT-STAR College Scheme and DBC i-4 Center.
- Experts invited for mentoring and internship opportunities and for exposing students to the latest developments, theories, discourses, paradigms and cutting-edge technologies.
- Departments encourage students to publish their findings and explorations. Various departments have their own student-led journals. News magazines and journals of the departments enable the students to improve their skills and showcase their learnings.
- Students are given exposure through Seminar and other short-term Courses to a wide range of viewpoints offering them an opportunity to hone critical thinking skills, capacity to deconstruct ideas, engage in evidence base argumentation, evaluate theoretical underpinnings and alternate frameworks.
- We help to build employable skills and help get them placements with different companies and Sector Skill Councils with whom we have signed MOUs.
- The College boasts of a highly decorated and awarded NCC comprising all wings i.e. Army, Navy, Air force, with Army and Navy consisting of a Women's Wing also and a very vibrant NSS unit which is associated with various programs like 'Ek Bharat Shreshth Bharat', 'Nadi Ko Jaano', 'Swachh Bharat Abhiyan' amongst others.
- We have taken significant strides in becoming a Green Campus and has conducted Green Audit for

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it.

- We focus on inclusivity and accessibility through differently-abled friendly infrastructure like connecting ramps ensure access for all. For the visually challenged, the library is JAWS software enabled.
- The entire College campus is fully WiFi enabled. Around 70 classrooms are multimedia enabled. We have four computer labs. The library is linked to the Delhi University Library System.
- Deshbandhu College has signed up for Google Suits (Google Classroom, Google Drive, etc.) for education and Microsoft Teams. The college has also launched its YouTube channel and has its own Facebook, Twitter and Instagram account where seminars and lectures are live streamed and uploaded.
- The entire faculty and administration have switched to their official email accounts created on the domain db.du.ac.in.
- Several student groups/societies have used Google forms to collect data for surveys and student feedback.
- All Departments have developed in-house departmental websites
- Various departments have installed subject-specific software like Mathematica and MATLAB for the Mathematics, Scilab and C++ for Physics; Python, PHP, JAWA and LINUX for Computer Science and Tally for the Commerce Departments
- ICT Training Programmes: The college has organized several training programmes on ICT for faculty members such as FDPs, MOOCs and e-content creation workshops among many others.

Deshbandhu College is relentlessly working towards transforming its teaching-learning spaces in every dimension. The change in paradigm of higher education is being brought about in a systematic and well-deliberated manner with due attention to building capacity in faculty members and students alike.

File Description	Document	
Upload Additional information	View Document	
Provide Link for Additional information	View Document	

#### 2.4 Teacher Profile and Quality

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

Response: 96.93

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

2021-22	2020-21	2019-20	2018-19	2017-18
227	227	207	207	207

File Description	Document
Upload supporting document	<u>View Document</u>

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

Response: 100

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

2021-22	2020-21	2019-20	2018-19	2017-18
225	219	207	199	192

File Description	Document	
Upload supporting document	View Document	
Institutional data in the prescribed format	View Document	

#### 2.5 Evaluation Process and Reforms

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

#### **Response:**

Being a constituent college of Delhi University, Deshbandhu College fully adheres to the University guidelines and framework regarding evaluation and examination.

All departments of the College conduct regular internal assessment in the form of assignments, projects, presentations, viva-voce and tests. Timely announcements regarding tests/ due dates are made to afford students time for preparation.

#### **Pre-Pandemic:**

25% of the sum total marks is allocated to **theory internal assessment**, which is further sectioned into three categories: 10% marks on class test, 10% marks to the assignments submissions and rest 5% marks are awarded based on attendance. The remainder 75% marks are awarded for the end semester examinations conducted by the University.

For the **practical examination internal assessment**, 50% marks are based on the continuous evaluation of the student and rest 50% marks are awarded based on final practical examination including external viva and performance in the practical assigned to them. The scheme for marking of attendance: 67% to < 70% =

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1 mark, 70% to < 75% = 2 marks, 75% to < 80% = 3 marks, 80% to < 85% = 4 marks, and 5 marks for attendance > 85% with minimum 67% attendance required for appearing in end semester examination.

#### **Post Pandemic:**

25% marks of IA were considered in terms of assignments of descriptive/short type answers/multiple choice questions. While only one assignment was mandatory, students were given the option to attempt at least 2 assignments so that higher scoring assignment was accepted.

For theory, open book examination was conducted online. For practical, entire marking was done in the form of continuous evaluation of lab records, assignments and viva-voce. For both theory and practical assignments, various formats ranging from MCQ, short answer, presentation based and projects were used.

#### Feedback and Grievance related to:

#### **Internal Assessment/Exam**

Faculty members discuss the assignment questions/ practicals are grading the students. Internal Assessment marks are subsequently uploaded on the ERP portal for student verification before forwarding to the University Examination Branch. Pre-pandemic, IA sheets containing the cumulative marks is circulated among the students to for verification and signing it. Students representing the college in NCC, NSS, Sports, ECA and due to medical reasons can claim concession in attendance. Each department has a moderation committee, which consists of the current TiC and the previous and next TiCs to redress grievances if any.

#### **External Exam**

The university conducts end semester examinations and has a revaluation system in place. In case a student feels the need for revaluation, the college provides guidance and assistance in the process.

The university has been conducting OBE between 2020 and 2021. The college has an OBE exam team lead by a nodal officer whose contact details, phone number and email are made available on the college website and shared with the students too. The OBE team provides assistance to the students and resolves their issues in real time, whether at the time of viewing/downloading question papers or uploading of answer scripts.

File Description	Document	
Upload Additional information	<u>View Document</u>	
Provide Link for Additional information	View Document	

#### 2.6 Student Performance and Learning Outcomes

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

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#### **Response:**

The college offers various programs in Sciences, Humanities, Social Sciences and Commerce. The learning outcomes of all the programs are pre-defined. The college has formal as well as informal systems and processes in place to communicate the course outcomes to the students, such as:

- In the prospectus and on the college website
- The College and subsequently each department organizes an orientation program for the incoming batch. Teachers explain in detail about the subjects followed by a Q & A session.
- Following the formal orientation program, the departments facilitate an informal introduction between the freshers and the seniors.

The Humanities courses are aimed at assessing and understanding the socio-political, economic and behavioral factors that shape human activity and growth. One of the important course outcomes is that students are able to demonstrate an understanding of and ability to employ the processes of intellectual inquiry in their disciplines.

The programs in the Sciences strive to inculcate in students scientific and technological thinking. Student research projects enable students to apply what they have learned.

Language courses enhance the communication skills of the students so that they are able to express themselves unambiguously and effectively.

Commerce courses allow students to develop the skill of identifying and analyzing accounting issues and use this capability in a business environment.

Non-subject specific outcomes include taking ownership of their learning and ultimately development of a well-rounded personality in students helping them become good human beings as well as responsible citizens. Towards this end, the college offers non-academic work via NCC, NSS and various societies such as Music (both Indian and western), Dance (both Indian and western), Dramatics, Debating, Photography, Art, Fashion amongst others which bring out team spirit and leadership qualities.

The college and the university have an efficient system to evaluate the outcomes of the programs offered. The academic evaluation has two components: first, through the route of Internal assessment - continuous evaluation carried out by the college.

The students have an opportunity to improve their performance in IA. Also, more than one assignment/test is usually taken and the highest/average marks received across various assignments/tests are considered as the final internal assessment for that course under the IA component. The IA is showed to the students and uploaded on the university portal. The opportunity of re-evaluation is also provided to the students.

The final results of the students are analyzed every year by each department, to formulate strategies for improvement and improvising teaching strategies. The academic achievers are felicitated on Annual Day

and to create enthusiasm in other students as well, to perform well.

Academic outcomes are one part of the spectrum. The journey of the students does not end here. Many of our students go for higher education and many go in for employment. College has a placement cell which facilitates the students to identify job opportunities and connect them to prospective employers. Our Alumni are an indicator of the same.

File Description	Document
Upload Additional information	<u>View Document</u>
Provide Link for Additional information	View Document

#### 2.6.2 Pass percentage of Students during last five years

Response: 95.66

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

2021-22	2020-21	2019-20	2018-19	2017-18
1375	1473	1347	1339	1294

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

2021-22	2020-21	2019-20	2018-19	2017-18
1445	1502	1358	1453	1380

File Description	Document
Upload supporting document	<u>View Document</u>
Institutional data in the prescribed format	<u>View Document</u>

#### 2.7 Student Satisfaction Survey

#### 2.7.1 Online student satisfaction survey regarding teaching learning process

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Response: 3.06	
File Description	Document
Upload database of all students on roll	<u>View Document</u>

# Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

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

**Response:** 330.68

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

2021-22	2020-21	2019-20	2018-19	2017-18
92.99	51.5	151.79	15.4	19

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

# 3.2 Innovation Ecosystem

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

#### **Response:**

The College has constantly endeavoured to create, establish and functionalize a credible and robust ecosystem for innovations, research and creation and transfer of knowledge. The efforts of the College in this regard were recognized with the award of the prestigious DBT-STAR College scheme. Five Science departments of the College viz. Biochemistry, Botany, Chemistry, Physics and Zoology have been supported under DBT-STAR College Scheme. Under the Scheme, DBT aims to promote networking and collaboration with neighbouring institutions and other laboratories to aid/support in conducting specialized training programmes for faculty improvement to optimize technical capabilities so as to improve the teaching-learning quality through exposure to research laboratories and industries in the country. Through this scheme, the College seeks to augment its interdisciplinary approach in teaching-learning pedagogy, exposing students to latest innovations and researches, which are of current relevance to their curriculum and also fire the spirit of enquiry in them by offering them student-centric research projects. The i-4 Center, established with the support of DBT-STAR College scheme and the internal resources of the College, is the only Research Center of its kind among the South Delhi colleges of the University of Delhi. It truly stands for Inspire Inter-Disciplinary Ideas for Innovation and is the culmination of DBC's longstanding resolve and efforts towards integrating student-centric approach into inculcating values of interdisciplinary research. The main motto of this center is to tap young and dynamic minds to explore new realms of everyday science and to create meaningful and socially relevant knowledge. In addition to this

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Center four independent research laboratories and centers provide all the necessary facilities to budding researchers. Faculty members without independent research projects can do research with the available resources and provide their knowledge and research skills to the students for the betterment of their future endeavors. Students and teachers can write the research papers and review articles in the trending research areas, utilizing the common academic platform, infrastructure and internet facilities offered by the i4 Centre. Apart from this Faculty members of the College are actively engaged in research and development across disciplines creating a major impact which is evident from the number of citations that their publications have received and have published more than 570 research papers in Scopus/Web of Science indexed high impact factor journals and/or UGC-CARE listed journals, 270 books/book chapters in edited books/full Proceedings paper in International and National conferences and have been awarded one international and one national patent in the last five year. The College has 22 Ph.D. supervisors with 54 research scholars registered under them. From the beginning of the session, each student is mentored by specific faculty member to explore his/her potential. To develop and enhance the student capacity, College organized more than 45 workshops/conferences/ seminars/webinars with the renowned academicians and scientists as well as with Industry interface on Research Methodology, Intellectual Property Rights and Entrepreneurship in the last five year.

File Description	Document
Upload Additional information	<u>View Document</u>
Provide Link for Additional information	View Document

# 3.2.2 Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

Response: 50

# 3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years

2	2021-22	2020-21	2019-20	2018-19	2017-18
8	3	18	11	8	5

File Description	Document
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Institutional data in the prescribed format	View Document

# 3.3 Research Publications and Awards

3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during

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### the last five years

Response: 2.62

# 3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
152	142	144	92	106

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

# 3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/international conference proceedings per teacher during last five years

Response: 0.94

# 3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/international conference proceedings year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
23	41	56	63	46

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

### 3.4 Extension Activities

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

### **Response:**

Deshbandhu College organized and participated in various extension activities in the last five years with a dual objective of not only sensitizing students about various social issues but also contributing to the community and strengthening community participation. The NCC and NSS units of the college took part in

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various initiatives like Swachh Bharat initiatives, blood donation camps, awareness programmes on AIDS prevention, Suicides prevention etc. Events like National Voters Day, International Yoga Day, and Khadi Divas saw large participation of the students who take up activities in collaboration with other agencies/NGOs to spread awareness. The Eco Club of Deshbandhu College was established to make students aware of the various environmental issues and to create awareness and put in efforts to save our environment. Volunteers regularly visited SDMC schools to impart value education to children. Students organize plays on National Voters Day, effectively spreading the awareness about casting the votes that are every citizen's duty and significant contribution in the process of nation building. Students become global stakeholders in ensuring a healthy body and mind by participating in International Yoga Day. By attending the Programmes like 'Fit India Movement' students inculcate the sense of 'Health is Wealth' kind of approach in the present prevailing scenario of the pandemic. The importance of tree plantation drive has been taken up as a part of 'Green College' frequently with environmental consciousness and encouraging the community to initiate steps in this regard. Blood donation camps are held in the college area regularly whereby students and staff donate blood for the noble cause.

Students participated in the cleanliness drive regularly and addressed the larger social issues like 'Swachh Bharat' in the community which makes them socially responsible and thus facilitates holistic development. Students also sensitized people by organizing an awareness drive to keep the college premises and its surroundings 'Plastic & Pollution Free' which is the need of the hour in the process of 'Preservation of Ozone Layer of Earth'. This donation drive of donating masks and gloves to community helpers who have been risking their lives throughout the lockdown period by working selflessly and are continuing to do the same for the service of the nation and society at large. Enactus (Global Not-for-profit organization), Deshbandhu College Chapter came into existence in 2016 with the goal of uplifting the weaker sections of our society and channelizing the energies of the young students in a positive direction through entrepreneurial action. Students Visited the Rohingya refugees camp with an aim to provide them with basic sanitation facilities and education.

Celebration on International Women's Day on the theme 'ROLE OF LIFESTYLE BEHAVIOUR ON WOMEN'S HEALTH' made the students aware of the challenges the modern woman has to face as she juggles between the office and housework, keeping in mind the lifestyle behaviour practices like bad eating habits etc. To create awareness among the working professionals and students about the importance of gender sensitivity in organizations, programs on Gender Sensitization were organized. Programs on Women's self-defense were organized to empower women with self-defense skills. The aim of this program is to make women walk on the street fearlessly in society and protect themselves in unpleasant situations.

File Description	Document
Upload Additional information	<u>View Document</u>
Provide Link for Additional information	View Document

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

**Response:** 

The NCC aims at developing character, comradeship, discipline, a secular outlook, the spirit of adventure and ideals of selfless service amongst young citizens. Further, it aims at creating a pool of organized, trained and motivated youth with leadership qualities in all walks of life, who will serve the Nation regardless of which career they choose. The college has two Senior Division NCC (Army Wing) company with strength of 160 cadets each for girls and boys and two Senior Division (Naval Wing) with strength of 7 girl cadets and 22 boy cadets. The college also has one Senior Division NCC (Air Wing) sub unit with strength of 50 boy cadets. The cadets of the National Cadet Corps, do solemnly pledge that we shall always uphold the unity of India. Various activities were organised in different academic years 2017-2022, and achieved excellence in their sphere. The students have been a part of the prestigious NCC contingent at the Republic Day parade and have participated in Prime Minister Rally and Republic Day Camp throughout these years and awarded with the Marching Contingent. The society always won the best cadet awards in year 2020-21 in the program organised by All India Vaiyu Sainik Camp. Students have also represented the college in Prime Minister Rally organised by Ministry of Defence. In academic year 2019-20, the students were awarded with the gold medal in the "National Conference on Cyber Crime Against Women" supported by the NDMC centre, New Delhi. In 2019-20 academic year, the students were also awarded with the silver medal in State Yoga Championship and Bronze medal in Nation Yoga Championship, Dr. P.M. Josheph National Excellence Award in Archery by Physical Education Foundation of India and National Women Excellence Award in Sports by Elite International Ltd., U.K. In academic year 2018-2019, the students secured first prize in Sau Sawal Inter College Punjabi Quiz competition organised by Dyal Singh College, Delhi University. The students also secure third position in Punjabi Calligraphy Competition organised by SGTB Khalsa College, Delhi University. In Academic year 2017-2018, the participated in All India Thal Sainik Camp and won Bronze Medal awarded by Ministry of Defence. The students also won silver medal in Yoga Championship organised and funded by UP state government. In academic year 2016-2017, the students were awarded with the gold medal and Best Cadet by Ministry of Defence for their participation in All India Thal Sainik Camp. In addition our NSS unit and College students are actively involved in various extension activities especially during the Covid-19 pandemic and through various schemes and initiatives like Swachh Bharat Abiyaan, Unnat Bharat Abhiyaan, Ek Bharat Shreshth Bharat, Nadi Ko Jano and also through the Vidya Vistaar Scheme in which the college has an MOU with Pettigrew College, Manipur for organnising various academic and extension activities.

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

Response: 197

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

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2021-22	2020-21	2019-20	2018-19	2017-18
30	54	47	44	22

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

### 3.5 Collaboration

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

**Response:** 50

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

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# **Criterion 4 - Infrastructure and Learning Resources**

### 4.1 Physical Facilities

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

### **Response:**

The Deshbandhu College's sprawling campus and infrastructure including ICT facilities provide a healthy environment for holistic development of all stakeholders.

#### • Academic and Research Infrastructure

- Class Rooms, Lecture Theatres and Tutorial rooms: 60
  - New Arts Block: 28
  - Dr. B. R. Ambedkar Block (Old Block): 36
  - Porta-cabin: 7
  - Dr. A. P. J. Abdul Kalam and Dr. P.C. Ray Block (Science Block): 4 Lecture Theatre
- Laboratories: 21
  - Biochemistry Department: 01
  - Botany Department: 04
  - Zoology Department: 04 and 01 Museum
  - Physics Department: 04
  - Chemistry Department: 04
  - Computer Department: 01
  - Mathematics Department: 02
  - Web-lab: 01
- Research Laboratories: 05
  - Non-Linear Dynamics Laboratory
  - Insect Reproduction Laboratory
  - Molecular Biology Laboratory
  - Catalysis & Bioinorganic Research Laboratory
  - Bio-organic Material Laboratory
- o Central Research Facility: I4 Centre

### • Committee Rooms, Conference and Seminar Hall and Auditorium

- Smart Committee Rooms on the Ground and first floor of Administrative Block with seating capacity of 50 each
- Smart Conference Hall on Second Floor of Dr. P. C. Ray Block with seating capacity of 90.
- Seminar hall in library with seating capacity of 32 equipped with projector.
- Swami Vivekananda Auditorium in Old Block with seating capacity of 200 and equipped with audio-visual system.
- Sports Infrastructure and coaching facilities for various sports including Archery, Athletics, Badminton, Boxing, Chess, Cricket, Football, Judo, Kabaddi, Power-lifting, Shooting, Taekwondo, Volleyball, Weight-lifting, Wrestling and Yoga:
  - Departmental Room
  - o Archery Field (80m x38m)
  - Cemented Cricket Pitch 2 (15 m)

- Chess Playing Area
- Multi-Sports Halls: 2 (18m x 8m) + (11m x7m)
- Kabaddi Field (13m x 10m)
- Volleyball Court (24m x15m)
- Gymnasium (14m x 8m)
- Store
- Off campus sports facilities for coaching provided at different stadiums
- College campus is Wi-Fi enabled and connected with the DU wide area campus network
- All departments have departmental rooms
- Common staff room: 01
- Medical Room: 01
- Common Rooms: 01 (Girls) + 01 (Boys)
- Green belt in approximately 3.75 acres
- Infrastructural facilities for various activities:
  - o One multi-purpose Main stage and one amphi-theatre for cultural and student activities
  - NCC Rooms: 4
  - o NSS Room: 1
- The College Library has 119286 books, subscribed to 46 magazines and 15 newspapers (12 in double copies and 3 in single copies) and provides access to 6000 plus e-journals and more than 2,00,000 e-books through NLIST and Delhi University Library System
- Bank branch within the campus
- Photocopy shop adjacent to the library building
- Guard Rooms: 2 (Located at Main Gate and Parking Gate)
- One canteen with seating capacity of 100 and one open cafeteria
- Facilities for Cultural Activities:
- Deshbandhu Dramatics Society (DDS): a) Stage Players b) Street Players
- English Debating Society: Dialecticians
- Hindi Debating Society: Antradrishti
- Quiz Society: Quizzards (Jigyasa)
- Photography Society: Sharpshooters
- Short Film Making Society: Occulus
- Indian Dance Society: Riwayat
- Western Dance Society: D-Squad
- Music Society: Timbre
- Fashion Society: Audaz
- Fine Art and Craft Society: Art Meisters

File Description	Document
Upload Additional information	View Document
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# 4.1.2 Percentage of expenditure, excluding salary for infrastructure augmentation during last five years (INR in Lakhs)

Response: 26.36

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

2021-22	2020-21	2019-20	2018-19	2017-18
1392.98	50.62	61.16	62.10	27.79

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

# 4.2 Library as a Learning Resource

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

### **Response:**

Library is automated using Integrated Library Management System (ILMS), description of subscription of e-resources, details of expenditure on library resources and per day library usage:

- The College Library has a collection of 119286 books, subscribes to 46 magazines and 27 newspapers (12 in double copies and 3 in single copies)
- The library is using the following ILMS: LSEase Library software of Libsys Corporation since 2009 and upgraded it in 2017. It is a partially automated ILMS and the library is using the Web centric (EJB) Version. All the books are Bar-Coded.
- The e-facilities that are provided to Divyang Students of the college are as follows:
- A dedicated room with two computers with NVDA Software (NON-Visual Desktop Access, Open Source Software)
- LEXAIR Scanner
- Two EVO E-10 Player (Talking Digital Portable Daisy Player)
- The college library subscribes to NLIST (National Library and Information Services Infrastructure for Scholarly Content) facility of Delhi University and provides access to 6000+ e-journals and 1,99,500+ e-books through this facility
- The College library facilitates access to all students and faculty the E-resources provided through e-Shodh-Sindhu: consortium for higher education electronic resources.
- The Web Opac (Online Public Access Catalogue) facility is also available in the college library: http://112.196.165.122:8380/opac/
- Two Touch Screen Information Kiosk have been made available to all students and faculty for

accessing the library database.

- The library has a sitting capacity of 287 students along with a seminar room with a seating capacity of 32.
  - Reading Hall Ground Floor: 48 students
  - AC Reading Hall on Ground Floor: 63 students
  - AC Reading Hall on First Floor: 96 students
  - Reference Section: 48 students
  - Teacher's Reading Area: 32 faculty
- The dedicated E-Library for teachers with a capacity of 6 Teachers and E-Library for Students with a capacity of 12 students.
- The college library is also a member of DELNET (Developing Library Network)
- The Library has incurred the following expenditure (in Rupees) on the purchase of books/e-books and journals/e-journals as per details given below:

Year	2021-22	2020-21	2019-20	2018-19	2017-18
Books/e-books	20,34,786	12,89,887	16,55,719	17,88,913	12,54,739
Journals/e-journals	23,966	5,900	78,177	74,098	97,226

Average expenditure incurred by the library during the last five years is Rs. 16,60,682/-

• The number of teachers and students using the library every year is: 35160 for 2021-22, 1902 for 2020-21, 49985 for 2019-20, 66719 for 2018-19 and 79588 for 2017-18. Here it is important to note that from 22.03.2020 the college was closed for students till 17.02.2022 due to lockdowns and restrictions because of Covid-19 pandemic and entry for teachers was also greatly restricted. The average number of teachers and students using the library per day from 2017-22 is 128 users/day. Another significant aspect is that since the lockdown was imposed in 2020 the online usage of the college library increased greatly and extensive use of online resources available on the library webpage was witnessed.

File Description	Document
Upload Additional information	<u>View Document</u>
Provide Link for Additional information	View Document

### 4.3 IT Infrastructure

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

**Response:** 

### IT facilities of the College including internet connectivity

Deshbandhu College provides an adequate IT infrastructure to all the stakeholders of the college. The college has following facilities:

- The college regularly updates its website
- All the departments and faculty members have their own webpage and are linked to the college website
- The college uses a number of open source and free software and operating system like Linux, Open Office, Latex, Scilab, Python, R Studio amongst others for systems provided to faculty and students and for meeting the curriculum requirement of different academic programmes
- The college office is using the ERP Software
- The web access center of the college is looking after the hardware and software requirements of the college
- The college provides the laptop to all the college faculty members upon receiving request from them
- The college library is automated with 1 server, 09 desktops, 20 laptops, 08 printers and scanners, 03 LED Screens, 02 Touchscreens and 02 barcode scanners
- The whole campus is covered by CCTV
- The college is connected to the National Knowledge Network with internet speed of 100 MBPS provided by Delhi University
- The entire college is Wi-Fi enabled
- All classrooms are ICT enabled with 4 smart classrooms, two smart computer labs, two smart seminar/committee rooms, one 100 seater smart state-of-the-art Seminar cum conference room and on ICT enabled auditorium. All seminar/committee/conference rooms and auditorium have virtual and real-time online conferencing facility

### The IT infrastructure and its distribution

#### **Computers**

S. No.	Quantity	Department	
1	01	Biochemistry	
2	01	Botany	
3	01	Chemistry	
4	01	Physics	
5	30	Computer Sc.	
6	70	Mathematics	
7	01	Zoology	
8	01	Physical Education & Sports	
9	02	Molecular Biology laboratory	
10	01	Web Access Centre	
11	40	Web LAB	
12	03	Principal Office	
13	08	Administrative Office	
14	06	Accounts Branch	
			1

15	01	NCC Office	
16	01	IQAC Office	

# Laptops

S. No.	Quantity	Department
1	04	i4 Centre
2	02	Molecular Biology laboratory
3	50	Common Computer Lab (New Arts Block)
4	329	Distributed to faculty and office staff
5	1447	For Distribution/distributed to College students

# **Printers/Scanners**

S.No.	Quantity	Department
1	01	Biochemistry
2	02	Botany
3	01	Chemistry
4	02	Physics
5	05	Computer Sc.
6	02	Mathematics
7	04	Zoology
8	01	Physical Education and Sports
9	01	Web Access Centre
10	02	Principal Office
11	09	Administrative Office
12	05	Accounts Branch
13	01	NCC Office
14	02	IQAC Office

# Software

S. No.	Details
1	Windows NT Server
2	Borland C ++ Builder
3	Visual Studio 6
5	Dragon Point and Speak Software
6	Wolfram Mathematica 12 (with 34 Licensed key)
7	Latex (Free, Available on cloud)
8	R Studio (Free, Available on cloud)
9	LSEaseLibsys Corp.

# **Interactive Touch Screen Panels**

S. No.	Quantity	Department
1	01	DBC I4 Centre
2	02	Seminar Hall
3	04	Lecture Theatre (Zoology, Chemistry, Physics
		and Botany)
7	01	Computer Science Laboratory
8	01	Mathematics Laboratory
9	02	Conference Room

**Wireless Router: 11** 

Server: 03

**Projectors: 25** 

**CCTV Camera: 103** 

Switches: 16

File Description	Document	
Upload Additional information	<u>View Document</u>	
Provide Link for Additional information	View Document	

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

Response: 3.21

# $4.3.2.1\ \textbf{Number of computers available for students usage during the latest completed academic}$

year:

Response: 1663

File Description	Document	
Upload supporting document	<u>View Document</u>	

# 4.4 Maintenance of Campus Infrastructure

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

Response: 17.71

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

2021-22	2020-21	2019-20	2018-19	2017-18
211.80	262.84	245.43	226.15	125.05

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

# **Criterion 5 - Student Support and Progression**

# 5.1 Student Support

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

Response: 25.84

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

2021-22	2020-21	2019-20	2018-19	2017-18
1511	1361	1330	1185	963

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

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

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

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

File Description	Document	
Upload supporting document	View Document	
Institutional data in the prescribed format	View Document	

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

Response: 21.47

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

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2021-22	2020-21	2019-20	2018-19	2017-18
1810	1362	720	775	610

File Description	Document	
Upload supporting document	View Document	
Institutional data in the prescribed format	View Document	

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

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

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

File Description	Document	
Upload supporting document	<u>View Document</u>	

# **5.2 Student Progression**

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

Response: 49.99

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

2021-22	2020-21	2019-20	2018-19	2017-18
897	1385	921	91	119

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

2021-22	2020-21	2019-20	2018-19	2017-18
1375	1473	1347	1339	1294

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File Description	Document
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Institutional data in the prescribed format	View Document

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

**Response:** 69.44

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

2021-22	2020-21	2019-20	2018-19	2017-18
14	59	69	46	21

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

2021-22	2020-21	2019-20	2018-19	2017-18
28	85	91	61	36

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	<u>View Document</u>

### 5.3 Student Participation and Activities

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

Response: 133

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

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

2021-22	2020-21	2019-20	2018-19	2017-18
25	5	19	38	46

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

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

Response: 23.8

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

2021-22	2020-21	2019-20	2018-19	2017-18
28	04	20	34	33

File Description	Document
Upload supporting document	<u>View Document</u>
Institutional data in the prescribed format	View Document

# 5.4 Alumni Engagement

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

#### **Response:**

Alumni of an institution can play a significant role in the transformation of the higher education. The College Alumni Association understands the importance of the fact that even after graduation, students feel connected to their Alma-mater and associate a part of their identity with the institution. Therefore, the Association ensures that connect of the alumni with the college so that Deshbandhu College community continues to grow and maintain healthy communication. This helps in building a vibrant social network of our Alumni as a resource pool for the College.

Although we have an informal group of our alumni who meet on regular basis and exchange ideas but we formed an Alumni Association on 5th September, 2018. Since then, in the last four years, our alumni association has contributed to its alma-matter in myriad ways. The Alumni Association actively contributes in academic matters, student support and mobilization of resources – both financial and non-financial. Association commenced the fund raising from its alumni faculty members and was able to collect Rupees 37,647. The Association reached out to more alumni to give them the opportunity to pay back to their institution. The contribution of the graduating students to the alumni fund for their registration as alumni and towards activities of the alumni was Rupees 20,000 and Rupees 1,17,600 in the year 2019-2020 and 2020-2021 respectively. This money was set aside from the caution money collected from these students. In 2021-2022, the college took the decision to take Rupees 100 from all final year students for their registration in Alumni Association. The Alumni Fund contribution from these students was Rupees 1,75,000 in the year 2021-2022. The fund accrued to the alumni fund is being used for enhancing the infrastructural facilities of the institution. These funds are being utilized for variety of activities and infrastructure augmentation.

The First Alumni Meet was organized on 20th March, 2020 on zoom platform where our Notable Alumni (Dr. K. K Aggarwal, eminent cardiologist, Dr. Hanif Qureshi I.P.S., Civil Servant, Mr. Shantanu Moitra, famous music composer and many more) shared their personal experiences and apprised the pivotal role of the institution in their success. Our Alumni Association offers a variety of services like conducting workshops, job fairs, job postings, discuss business and entrepreneurship opportunities, support campus placement and online resources for job-seekers. In August 2022, the college felicitated its distinguished alumni at the grand celebration of 70th foundation day. Our alumni extended their kind support as a token of gratitude toward the institution. Shri Prabhu Chawla offered scholarships for meritorious students of the college. Shri Hanif Qureshi and Prof. Debjani Dey offered internships, research projects, training to the current batch of students. Mr. Kavya Kumar who is engaged in film making has collaborated with the Dramatics Society of the college. We have created a website to reflect Alumni Association activities and reach out to more alumni. The Association ensures that the College strives to foster the relationship of eternal bond, create networks for meaningful, fruitful and fun-filled interactions with the Alumni.

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# Criterion 6 - Governance, Leadership and Management

# 6.1 Institutional Vision and Leadership

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

### **Response:**

Deshbandhu College aspires to be a crucible for catalyzing holistic growth and development of all its stakeholders, especially students, and contribute towards nation-building by setting excellence benchmarks in academics, research, and innovations in societal engagement and upliftment, nurturing entrepreneurial spirit and alumni engagement. The College prides itself on its democratic and participative decision-making. The Staff Council acts as the overarching body comprising all faculty as its members. The various committees engage themselves in aspects of governance such as policy decisions, administrative functioning, monitoring of academic programmes, admissions, teaching workload and time-tables, academic planning, examinations, purchase and procurement, infrastructure development and building and campus maintenance, development of sports facilities and library, organizing cultural events, special lectures, discipline responsibilities, promoting co-curricular activities, and creating a vibrant ecosystem in the college. The Convenor and Members of the different committees of the Staff Council are elected by all the faculty members thus ensuring participative governance of the college.

The departments of the college function as independent units and enjoy complete autonomy with respect to teacher timetables, laboratories and practical classes, library purchases, organization of academic, curricular and extra-curricular activities and student seminar societies. The final approval for all financial matters related to activities, purchase and infrastructure is accorded by the Principal.

IQAC formulates the quality assurance framework of the college and is also the custodian of all service-matter records of the college faculty catering to their career advancement and professional development. In collaboration with the departments, it has implemented a blended teaching-learning pedagogy.

The College was awarded the prestigious DBT-STAR College scheme to create, establish and functionalize a credible and robust ecosystem for innovations, research and creation and transfer of knowledge involving five departments viz. Biochemistry, Botany, Chemistry, Physics and Zoology. The i-4 Center has been created to Inspire Interdisciplinary Ideas for Innovations integrating a student-centric approach. The center taps into the fresh and untainted minds of our students to explore new realms of everyday science for creating meaningful and socially relevant knowledge.

Inclusivity, holistic development and social outreach are etched in the ethos of the college. Various Cells of the college, the NCC and NSS cater to this objective. Initiatives like "Unnat Bharat Abhiyaan", "Swachh Bharat Abhiyaan", "Nadi ko Jaano", "Ek Bharat, Shreshtha Bharat" teach students enterprise

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skills, exemplify the importance of social harmony, environmental consciousness, and an opportunity to work with people and real problems. It has also taken measures to become disabled-friendly. Braille signages, ramps, special paths for easy movement on the premises, modification of existing toilets, provision of scribes during examinations, and divyang-computers in the library. College has created a Green belt which also acts as a rainwater harvesting and recharge system, recycles its waste-water and promotes water conservation. It is handling its waste generation through the policy of reduce, reuse, recycle and recover. Usage of single-use plastic is prohibited on campus. A bio-composting structure allows for collection and segregation of waste at the source, processing and pit-filling, and the compost generated is utilized as green manure.

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# **6.2 Strategy Development and Deployment**

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

#### **Response:**

The Organogram of Deshbandhu College represents democratic character and collective responsibilities. The Governing body, whose authority is entrusted by the statutes and ordinances of the University of Delhi, manages and regulates the college and gives direction for administration and decision-making, finances and regulation, purchases and development, and overall quality surety of the College. The Governing Body also appoints the Vice-Principal and the Bursar in its capacity upon recommendation by the Principal. Supervision and execution of day-to-day functioning is handled by the Principal, the Administrative Head of the college. He/She also coordinates with Convenors and Department Incharges to implement and evaluate academic programmes, identifies professional development needs of faculty members, and is a member of University committees. The Vice Principal assists the Principal in directing the staff – teaching and non-teaching – of the college in conducting academic programmes. The Bursar manages matters related to internal finances and financial audit of the college. The Bursar also ensures effective utilization of funds available to the college.

The PIO addresses requests from persons seeking information (in the form of RTIs) from the college and Principal acts as first appellate authority. Administrative Staff of the college is characterized by a well-defined organizational structure, with positions according to the University rules and the UGC. The Principal is the administrative head and administrative decisions are implemented through the Administrative Officer, who is assisted by Section Officers from Administration and Accounts Section.

The caretaker supervises the maintenance of the infrastructure and the working of housekeeping staff, electricians, gardeners etc.

The Teacher-in-Charges of individual departments work in cooperation with the Principal and their respective departments in accomplishing the academic, financial and co-curricular requirements of their departments.

The Internal Quality Assurance Cell also collaborates with the Principal in ensuring a quality teaching and learning environment and development of quality benchmarks for various administrative and academic activities.

The Librarian who supervises the library staff heads the library and the library committee (constituting several members and librarian) decides the matters relating to upgrading of the academic resources and facilities in the library.

Keeping in tune with the College's long-standing resolve to evolve as a Green Campus, **Deshbandhu Green Drive** was initiated 2018, wherein an unused area of 3.75 acres of rocky terrain was developed into a bio-diversity park along with a rock garden and a bonsai garden from materials procured internally. This newly developed Green-belt has a lower soil layer consisting of fragile material while the upper layer consists of clay thus acting as a catchment area as well as rainwater harvesting plant in addition to two rainwater harvesting pits. An advanced integrated bio-composting structure has been constructed on campus. No hazardous waste is generated. Rooftop solar panel system with an installed capacity of 72.6 kWh has been operationalized in 2021. The college has switched to LED lighting and new air-conditioning systems installed in the college are 5-star or VRVF (equivalent to 7-star energy rating) compliant. Our academic programmes across Humanities, Social Sciences, Sciences, and Languages also impart environmental knowledge and sensitization.

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

#### 1. Administration

- 2. Finance and Accounts
- 3. Student Admission and Support
- 4. Examination

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

File Description	Document
Upload supporting document	<u>View Document</u>

# **6.3 Faculty Empowerment Strategies**

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

### **Response:**

Delhi University Teacher Welfare fund and Delhi University Non-Teaching Welfare Fund have been created with a nominal monthly contribution from faculty and non-teaching members of the University Teaching Departments and Colleges. It provides financial assistance to members or their families in case of medical emergency and/or disability or death of the member.

All the teaching and non-teaching employees of the College and their family members and pensioners and their family members are covered by the Delhi University Medical Scheme through which they are entitled to reimbursement and cashless treatment at empaneled hospitals, nursing homes, diagnostic centers and clinics as per their eligibility and entitlement in accordance with CGHS rules and rates. The College also has a medical room with basic medical and first-aid facilities including wheelchair facility and a trained medical nursing staff.

Leave Travel Concession is provided by the College to all its teaching and non-teaching employees and their family members for traveling to their hometown and also for all India travel as per the LTC rules of Government of India. Punjab and Sind Bank branch within the campus for all its teaching and Non-Teaching employees providing banking, deposit, loan and investment facilities. The College canteen offers healthy, clean and hygienically cooked food, snacks and refreshments at reasonable rates for all its teaching and Non-Teaching employees. It has a well-equipped Gymnasium and sports facilities for ensuring the physical wellbeing and healthy recreational avenues of its teaching and Non-Teaching employees.

Deshbandhu College Thrift & Credit Society, registered as a Co-operative Society on 24-01-1974 with Regd No.408(U), has 188 members and 13 members in its managing committee to give credit facilities to its members for various types of purchases and undertake welfare activities.

Deshbandhu College follows the UGC Regulations on Minimum Qualifications for Appointment of Teachers and other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education-2018" (Regulation No. F.1-2/2017 (EC/PS) dated July 18, 2018), as adopted by the University of Delhi, for its teaching and other academic staff. Appraisal system for teaching staff is based on the Annual Performance Appraisal Report (APAR) that faculty members of the college submit annually to IQAC after verification by the respective Teacher-in-Charge and the Principal. The objective is not only to empirically evaluate the employee's accomplishments as per established norms, but also to identify potential aspects for improvement that can eventually lead to further progress and growth of the employee as well as the institution. Performance Based Appraisal Scheme proforma is submitted by teachers seeking promotion to IQAC for further processing and calling of the Screening/Selection committees for evaluation and promotion.

All non-teaching staff are also assessed through APAR which the employees submit to their respective Department/Section heads. The staff members are assessed under various parameters for different categories. The respective Department/Section heads then enter their comments and send it to the next superior officer/Principal for their comments. Once the assessment is complete then the APAR's of all the employees are maintained by the College administration.

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

Response: 3.26

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

2021-22	2020-21	2019-20	2018-19	2017-18
7	3	13	7	4

File Description	Document
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Institutional data in the prescribed format	View Document

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

**Response:** 34.6

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

2021-22	2020-21	2019-20	2018-19	2017-18
161	125	181	74	52

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

2021-22	2020-21	2019-20	2018-19	2017-18
129	136	134	137	136

File Description	Document
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Institutional data in the prescribed format	View Document

# 6.4 Financial Management and Resource Mobilization

6.4.1 Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

#### **Response:**

As a constituent college of University of Delhi, Deshbandhu College is committed to cent percent probity in its financial accounting. For this the College utilizes Tally ERP 9.0 for maintaining all income and expenditure accounts and grants received and their utilization. The College strictly adheres to the General Financial Rules (GFR) of Government of India and infrastructure development, procurement of services and materials including equipment and instruments, non-consumable and consumables is done through GeM and e-tendering and other provisions of GFR. Annual Financial auditing is conducted by the AGCR, a government auditing body.

External audits are conducted by the Comptroller and Auditor General (CAG) of India. Objections and questions of any kind during the audit are promptly addressed by presenting relevant documents to the auditors.

After auditing the record keeping of the balance sheet of the college, Income and Expenditure Accounts Statement and Receipts and Payments Accounts Statement for the year, is the responsibility of the College. The CAG's responsibility is to express an opinion on these financial statements based on their audit. This Audit Report contains the comments of the CAG on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum performance aspects, etc., if any, are reported through Inspection Reports/CAG's Audit Reports separately.

The Audit is conducted in accordance with auditing standards generally accepted in India. It includes examining, on test basis, evidence supporting the amounts and disclosure in the financial statements, plus it assesses the accounting principles used and significant estimates made by College as well as evaluates the overall presentation of financial statements.

As a 'Fully Maintained Institution' of University of Delhi (DU), Deshbandhu College is 100% funded by UGC for salaries, maintenance purposes and for specific schemes/projects. Funds are also generated from certain components of students' fees. Faculty apply for research projects and under other schemes by DBT, DST, DU, SERB, UGC, ICSSR, ICMR, ICCR and other funding agencies. Funds are also received from Philanthropies, private donors and organizations and members of teaching staff for fee-concession and scholarships for students, department and college festivals.

Financial probity is maintained and the financial resources of the College are managed in a very effective and efficient way. Convenors of various Staff Council Committees, Cells, Clubs, Societies, NSS, NCC and Teacher-Incharges of the Department are asked to provide their requirements before the onset of every academic session. The requirements are discussed in the Building and Infrastructure Development Committee, Purchase Committee & Development Fund Committee. For all recurring, maintenance and infrastructure augmentation related requirements the Purchase Committee of the college does the processing while for infrastructure development and capex related expenditure the plans are approved by the Building and Infrastructure Development Committee of the Governing Body and then sent to UGC for its approval and funding. Transparency is maintained through the entire process and allocated funds are optimally utilized.

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## **6.5 Internal Quality Assurance System**

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

### **Response:**

**Student Nurturing System:** The IQAC of Deshbandhu College has facilitated the creation of a credible and robust Student Nurturing System. This multi-tiered system aims at providing support to the students at each step of their academic journey in the college and also monitors their progress in real time for proper analysis and timely intervention to help them cope up with the rigours of college life.

- 1. Student Management System: The IQAC has facilitated a student management system, which caters to all student related information. It provides the login credentials for Administrator, Faculties and Students for student data that includes student's attendance, internal assessment and continuous evaluation. The College has integrated its entire admission process from student's registration to grant of admission with the integrated online admission portal of Delhi University. The college has an online examination portal through which the entire process of filling the examination forms and the deposition of student's fees is being done.
- 2. **Blended Teaching-learning Pedagogy:** IQAC constantly strives to augment, enhance and improve the Teaching-Learning pedagogy and has adopted Blended approach. Under this a Learning Management System is utilized for the creation and delivery of teaching-learning resources, online classes and assessment. This has also enabled the faculty to monitor student progress and provide timely intervention for resolving student queries, difficulties and problems. Recently the college faced an unprecedented challenge in the form of Covid-19 pandemic. IQAC enabled the College to quickly adapt to this new challenge by shifting to completely online mode and organized workshops and FDPs for the faculty.
- 3. Feedback Mechanism: A dynamic and credible feedback mechanism has been developed by IQAC, for all stakeholders students, parents, alumni, teachers and employers. Feedback is obtained through Google forms accessible from the college website. The students' feedback covers various aspects of teaching-learning process and the infrastructural and academic resources of the College. These feedbacks are analyzed by the IQAC segregating it programme-wise and sharing it with respective departments for understanding of their strengths and areas of improvement. Feedback forms have also been designed for parents, alumni, employers and esteemed organizations visiting our college for understanding and analyzing the inputs of these stakeholders in improving the colleges' academic environment. Teacher's feedback forms assess the College

- with respect to their professional growth and academic, ICT and research infrastructure available so that they give their best.
- 4. **Mentor-Mentee Programme**: Each student mentee is assigned a faculty mentor who motivates, counsels, guides, resolves queries and doubts and acts as first point of contact for grievance redressal and conflict resolution.
- **5.***i*-4 **Center and Student Research Projects:** The *i*-4 Center was established to Inspire Interdisciplinary Ideas for Innovations and create, nurture and promote interdisciplinary research and innovations amongst students under the patronage of the DBT-STAR College scheme and the College exposing them to latest researches, lighting the fire of enquiry in them to become beacons for 'Atmanirbhar Bharat' and 46 research projects involving more than 30 faculty members and 150 students were approved out of which 17 are completed.

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

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

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

File Description	Document
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Institutional data in the prescribed format	View Document

# **Criterion 7 - Institutional Values and Best Practices**

# 7.1 Institutional Values and Social Responsibilities

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

### **Response:**

Deshbandhu College is committed to the equality and empowerment of women and other genders. The college supports raising awareness about gender equality; this helps people to not only examine their own attitudes and beliefs, but also appreciate the lived realities of people across the gender spectrum. International Women's Day is celebrated every year on March 8. We are extremely alert to, and have a zero-tolerance policy against, sexual harassment. Any persons aggrieved in this matter are encouraged to fearlessly and without any hesitation approach the Programme Officer of the Internal Complaints Committee (ICC). In order to inculcate and promote gender sensitization, the Women's Development Cell and the ICC regularly organize seminars, workshops and lectures on themes ranging from reproductive health, female hygiene and consent to women's stories, modern womanhood and representation of women in the media. In 2019, the college signed a MoU with the NGO POSCHA (Prevention of Sexual Harassment and Child Abuse) to collaboratively organize awareness programs and legal ICC trainings on gender sensitivity. Keeping in mind the intersectional nature of gender oppression, the college pays special attention to the needs of female students from marginal backgrounds. We have an SC/ST/OBC Cell, differently-abled friendly infrastructure and a North-East Cell to help students from these backgrounds. These cells strive to create avenues and opportunities for the marginalized students of the college, especially women. Among the facilities provided to ensure gender inclusivity in the college are a separate common room for female students with all necessary facilities, a medical room equipped with a sanitary pad dispenser, CCTV cameras at strategic locations for continuous surveillance of the premises and for enhancing security in the college, and regular self-defense training by the NSS Unit for female students.

Deshbandhu College regularly celebrates national and international commemorative days through seminars, webinars, workshops, lectures and festivals. Ranging from events on International Yoga Day and International Women's Week to informative lectures on themes in various subjects and languages, the college has been at the forefront in both marking important days and making everyday life special for its community members. To inculcate and strengthen the spirit of nationalism and democracy, apart from celebrating Republic Day, Independence Day and Mahatma Gandhi Jayanti as Swachhta Diwas the college also celebrates with great fervor and enthusiasm the following: National Unity Day (Sardar Vallabhbhai Patel Birthday) on October 31, National Youth Day (Swami Vivekanand Jayanti) on January 12, National Voter's Day on January 25, National Martyr's Day on January 31 and Kargil Vijay Diwas on July 25. Hindi Diwas is celebrated on 14th September every year and International Mother Tongue Day is celebrated on February 21 to promote the preservation and protection of one's mother tongue. Earth Day is celebrated on April 22, World Environment Day on June 5 and World Conservation Day on July 28 every year to enhance awareness and importance of the environment and conservation of natural resources. These events are meticulously publicized on the college's social media.

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#### 7.1.2 The Institution has facilities and initiatives for

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

**Response:** A. 4 or All of the above

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

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

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

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

### **Response:**

Deshbandhu College has implemented several measures to enhance inclusivity and national feeling on campus. The college attempts to boost linguistic diversity and cultural multiplicity not only by organizing cultural programmes— like the annual cultural festival 'Sabrang', folk dances, 'Kavi Sammelan' and 'Ghazal evenings'— but also via sustained activity through its distinguished dramatics, debating, music, photography, dance, quiz, fashion, film and art societies. Various language departments—like Hindi, Sanskrit, Bengali, Punjabi, Sindhi and English—also contribute to linguistic pluralism by holding annual cultural festivals, as part of which, themes from diverse linguistic and cultural contexts are highlighted.

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Workshops and talks conducted by these departments on the theme of translation ensure that students become aware of literature in other languages. The college cherishes the sovereign and democratic values of our nation by celebrating Independence Day and the Republic Day annually. Events like World Environment Day, International Yoga Day, International Women's Week and Day and National Youth Day see large participation from students who take up activities in collaboration with agencies/ NGOs to spread awareness about citizen duty in the process of nation building. Deshbandhu College facilitates and conducts Students' Union elections every year to ensure a democratic space for students to voice their concerns. The college celebrates National Voters' Day and Samvidhaan Diwas every year to mark the importance of citizenship and democratic nation-building. In the spirit of Unity in Diversity, the college celebrates National Unity Day annually. Deshbandhu College, especially through its NSS & NCC units, organizes activities like Unnat Bharat Abhiyaan, Swachh Bharat Abhiyaan, Ek Bharat Shreshth Bharat, blood donation camps, various awareness programmes, plantation drives—that inculcate constitutional obligations, community responsibility and nationalism among students and staff coming from different religions, classes, and regions. The NSS unit involves everyone in the college in the celebration of festivals of different communities, such as, Christmas on the one hand, and Pradeepan Diwali Mela on the other. Not only is Rashtriya Matrubhasha Diwas observed every year on October 31; the college also celebrates specific linguistic landmarks such as Hindi Diwas annually. With the main objective of promoting unity and brotherhood for better cooperation and understanding amongst different students hailing from different states of Northeast and to preserve their rich cultural ethos, the North East Students' Society of Deshbandhu College (NESSOD) organizes the much sought out Annual Cultural Northeast Festival, 'Concord'. To ensure tolerance and harmony on campus, the college also carefully observes the policies and guidelines by the Ministry of Education, the University Grants Commission and Delhi University. Not only does Deshbandhu College strictly follow Affirmative Action for students with diverse special needs, but also makes extraordinary efforts towards gender equality and sensitization. It has taken various steps towards making the campus differently-abled friendly to ensure access for all. There is also continuous endeavor towards ensuring inclusivity through innovative pedagogical delivery and student support mechanism creating a culture that provides dignity for all and celebrates diversity.

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### 7.2 Best Practices

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

#### **Response:**

Two best practices

1. *The Deshbandhu Green Drive:* Deshbandhu College hopes to become a torchbearer in the field of environmental conservation and a model green campus that fulfills its duties given in the Constitution of India under Article 51 A (g), which says that, "It shall be the duty of every citizen of India to protect and

improve the natural environment." Under the Deshbandhu Green Drive, the college has been making significant moves towards these goals by adopting green practices like energy efficient lighting and cooling, green energy generation, rainwater harvesting and tree plantation. Two rainwater-harvesting structures (with capacity of approx. 1 lakh liters) have been constructed on campus to collect rainwater from rooftops, which then percolates towards the water table and recharges the groundwater over a period of time. About 1.5 lakhs square feet of area was converted into a 'Green Belt' on campus, with more than 1230 trees and shrubs and by planting more than 3397 newly-procured plants and 1916 plants propagated from existing ones. This Green Belt gives a tree cover that is capable of absorbing air pollution and acting as a sink that safeguards the ambient environment from anthropogenic pressures. It also helps in the retention of soil moisture and recharging of ground water. This not only serves to reclaim the rocky, barren and wasteland and makes it usable, but also provides a natural habitat for the indigenous birds on campus. Following this, a bird-house initiative was also started, where students and faculty members came together to install more than 40 birdhouses and many bird-feeding and drinking points at different places, especially in the greenbelt, to protect the diversity of bird species on campus and in surrounding areas. Moreover, Deshbandhu College has installed rooftop solar panels on two buildings of the college in collaboration with the IPGCL. This solar power plant has the capacity to produce 72.36 KW. The college has adopted the process of Green Building Norms and all electrical devices have been replaced by energy-efficient compliant ones. Further, the College continually strives to limit waste generation, such as by reducing the procurement of new materials, reusing and recycling of existing materials, and, if this is not possible, disposing of garbage in a manner that has the least environmental impact. ??In 2018, the college banned the usage of all single-use plastic on campus, including in the canteen. A bio-composting structure, DBC-AICF (with a capacity of 6000kg/ 4-month-cycle), has been constructed for converting raw material generated on campus consisting of organic waste like leaves, trimmed-grass waste, small branches of plants, etc. into manure. The college has signed an MoU with neighbouring Ramanujan College for treatment of its sewage water, thus reusing the sewage water for gardening and for watering the green belt. The college has also signed MOUs with other agencies for collection, recycling and disposal of organic waste, e-waste and paper waste. The college is working towards spreading environmental awareness by offering more than 20 elective courses that focus on environmental issues, giving different perspectives on preservation, conservation, ecology, and bird science and each student studies Environmental Studies paper as a compulsory course. Since the College is expanding its infrastructure hence it cannot commit all existing rooftops for solar panels.

2. A *i4 Centre and DBT Star College Scheme:* Under the aegis of the DBT Star College Scheme, Deshbandhu College has established the i4 Centre, which stands for Inspire Inter-Disciplinary Ideas for Innovations in 2019, an inter-disciplinary platform seeking to bring out innovative ideas and to inspire all towards excellence. The i4 center and the DBT scheme together work towards the objective of strengthening and promoting inter-disciplinary research among faculty and students through a common infrastructural platform, while facilitating capacity building of undergraduate students under faculty mentorship and training programs. Established in 2020 with the aid of an initial DBT Grant awarded in 2019, the i4 Centre is the culmination of DBC's long-standing resolve and efforts towards integrating a student-centric approach into interdisciplinary pedagogy research, which is also a key objective of the NEP-2020. The main motto is to tap into young and dynamic minds to create meaningful and socially relevant knowledge. Faculty members of five science departments of the college, viz. Biochemistry, Botany, Chemistry, Physics and Zoology, are being supported under this scheme to come together and collaborate on projects. Four independent research laboratories and centres provide all the necessary facilities to researchers, both students and faculty. Besides this, they can interact and discuss ongoing

projects and present research papers in/ on recent areas. With prior permission, students and teachers of other colleges/ institutes can also avail the facilities available in the i4 Centre. The i4 Centre is the only research centre of its kind among the South Campus colleges of the University of Delhi and the second of its kind across the university. More than 30 faculty members of different science departments and 150 undergraduate students are already working on more than 46 different research projects, out of which 17 are completed. Two research papers in Scopus-indexed journals and one in Conference Proceedings have also been published using the resources of the Centre. A key feature which the college has introduced under the DBT Star College scheme is that science practicals have moved beyond a mere demonstration of experimental facts to explore new concepts in the form of minor research projects linked to the curriculum. The college initiated two new discipline-specific elective courses on Nanoscience and Nanomaterials. It also organized two International Conferences, two National Conferences, 47 webinars and seminars, 18 workshops, 39 invited talks and lectures, 05 faculty improvement programmes and 36 industry/research laboratory visits under the aegis of this scheme. 63 new practicals of an interdisciplinary nature were also introduced in different papers involving laboratory work. Key challenges being faced are in the form of requirement of well-trained manpower for the maintenance of instruments, financial assistance for the procurement of consumables, small instruments and for the day-to-day laboratory expenditure and Covid-19 pandemic, which disrupted student participation.

File Description	Document
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Any other relevant information	View Document

### 7.3 Institutional Distinctiveness

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

### **Response:**

The College initiated a major infrastructure augmentation program to cater to the growing demands and needs of the students and faculties facilitating their holistic development. The extension of the Science Block has been completed providing new and/or additional space including laboratories to the Departments of Biochemistry, Computer Science, Mathematics, Botany, Chemistry, Physics and Zoology. Expansion of the Library with dedicated Wi-Fi enabled reading room and workspaces for the faculty, additional reading rooms for the students and additional shelf space for the books have been implemented. The college library has become one of the largest and best-maintained libraries in Delhi University. New classrooms, seminar rooms and sports facilities have been added and existing sports facilities are being spruced up. The College was awarded the prestigious DBT-STAR College scheme in 2019 supporting five departments - Biochemistry, Botany, Chemistry, Physics and Zoology. The *i-4* Center (Inspire Interdisciplinary Ideas for Innovations) was established by the College to create, nurture, promote and inspire interdisciplinary ideas for research and innovations. The college seeks to expose students to latest researches, lighting the fire of enquiry in them to become beacons for 'Atmanirbhar Bharat' and more than 45 research projects involving more than 30 faculty members and 150 students were approved out of which 17 have been

completed also.

Deshbandhu College takes pride in the successful culmination of the unique Deshbandhu Green Drive, as part of which it has taken various initiatives to make the campus eco-friendly.

Until 2019, the college had roughly 4 acres of land that was either barren or not usable because of its rocky terrain and overgrowth of grass and other weeds. The college undertook a survey of the area and concluded that this landscape could be developed into a Green Belt, preserving the indigenous flora and fauna of the Aravalli Range on which the college is built, while being a great aesthetic addition. Landscape professionals gave a cost estimate of about Rs. 50 lakhs for the entire project (@ Rs. 30/ sq. ft., total area being 1,63,350 sq. ft.) i.e. cleaning the area of weeds and stones, adding extra soil on top of the rocky terrain, leveling the land, and laying new grass and plantation where required. An inhouse committee was constituted to look into its execution. The project reached completion between October-December 2020, with an approximate total expenditure of Rs. 6 lakhs. No additional soil was brought in for leveling or plantation purposes; instead, the already existing rocky layers were dug up and reversed and the soil beneath was brought up to prepare the landscape for the laying of different kinds of grass. Two thousand native plants from sixty-four different species were introduced. A petrographic reading was undertaken during the digging of rocks, estimated to be about 1.5 billion years old (certified by Dept. of Geology, University of Delhi). One of these rocks is installed in the Green Belt to showcase the heritage of this landscape, which is maintained by teachers and students of the college.

To solve the problem of solid waste management, the college has developed an Advanced Integrated Composting Facility AICF, which can perform different types of composting like cold, hot and vermicomposting. Raw material generated on campus consists of organic waste like leaves, trimmed-grass waste, small branches of plants, etc. The AICF, with a capacity of 6000kg/ 4-month-cycle, allows for collection and segregation of waste at the source, processing of the waste, and pit-filling. Compost generated in AICF is utilized as green manure. Deshbandhu College also practices various methods to conserve water on campus. Water usage is minimized via maintenance of all valves in the supply system, preventing leakage and spillage, using low-flow taps (closed after every use) and hoses with nozzle guns. Rainwater and run-off water is stored via rainwater harvesting, which helps to both recharge the aquifers and increase the groundwater level. Two rainwater-harvesting structures (with capacity of approx. 1 lakh liters) have been constructed on campus to collect rooftop rainwater. The College has an MOU with different agencies for the safe disposal and/or recycling of its organic waste, paper waste and e-waste and with neighbouring Ramanujan College for treatment of its sewage water utilizing their Sewage Treatment Plant, which is then used for watering the green areas. Deshbandhu College has adopted the 3R-principle of Reduce, Recycle and Reuse for its waste management.

Taking a significant step towards becoming an environment friendly campus, Deshbandhu College has installed Rooftop Solar PV System with a capacity of 72.36 KW. This has been done in collaboration with the Indraprastha Power Generation Company Limited (IPGCL). The purchaser pays the power producer for solar power at an INR 3.75/kWh rate, the standardized tariff as per IPGCL. The college utilizes this power and surplus power is ploughed back to the main grid through a two-way meter. The college is in the process of adopting Green Building norms and all lighting in the college is being replaced by LED lighting. The new air-conditioning systems being installed are 5-star or VRVF (equivalent to 7-star energy rating) compliant.

Adopting a multi-pronged strategy, the college's infrastructural changes have been made to dovetail with relevant intellectual shifts, such as introducing more than 20 compulsory and elective courses

across more than 10 programmes of study. The students learn about sustainability, climate change, ecology, public hygiene, biodiversity and environmental issues, making Deshbandhu College a true role model for energy conservation. The Eco-Club of Deshbandhu College has been established to make students participate in resolving environmental issues. Swachch Bharat campaigns and tree plantation drives are regularly organized. Deshbandhu College students have installed more than 40 birdhouses to increase the college's bird diversity, starting in January 2019. These are now a permanent part of the students' 'outdoor classroom' and will support continued study of birds and their nesting habits. As part of further awareness building, environmentally safe practices such as plastic ban, energy conservation, waste segregation, cleanliness and anti-pollution campaigns are encouraged. Deshbandhu College has been conferred the prestigious "World Ecology Environment and Development (WEED)" and "Plastic Free College" Awards.

File Description	Document
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Any other relevant information	View Document

# 5. CONCLUSION

### **Additional Information:**

### **Any Additional Information**

- 1. Creation of Cluster Colleges (Knowledge Networks): Recently the University of Delhi has notified the creation of Cluster Colleges (Knowledge Networks) for implementing the National Education Policy 2020 (NEP) through the Undergraduate Curriculum Framework 2022 (UGCF) for providing flexibility to students to choose the courses according to their interest and future prospects and has designated Deshbandhu College as Nodal/Co-Hub for the South Cluster. This is a recognition of the expertise and facilities available with the college and share their resources, to the extent possible, with other Colleges, located in its vicinity, so as to provide more choices to students and overcome the resource constrains/limitations at the end of each College.
- 2. **Student Nurturing System** The College utilized Learning Management System to create and deliver teaching-learning resources, online classes, assignments, projects and monitoring student progress. This has also enabled timely intervention for resolving student queries, difficulties and problems. A dynamic and credible feedback mechanism has been developed which captures the opinions of and from our stakeholders. Significant measures are taken after its thorough analysis. The Student Management System caters to all student-related information by providing login credentials for administrator, faculties and students to access attendance, internal assessment, continuous evaluation, filling up examination forms and student fees deposition.
- 3. **Alumni Association**: The College Alumni Association, formed on 5th September, 2018, has contributed to its alma-matter in myriad ways be it academic matters, student support or mobilization of resources. Understanding the importance of the connect alumni feel to their Alma-mater and associate a part of their identity with the institution, the Alumni Association is building a robust network of our Alumni as a resource pool for the College. The College plans to register its Alumni Association to make it more credible and effective.
- 4. Academic and Research Collaborations: The College seeks to create synergies and symbiotic relationships with different academic and research institutions where the college can contribute its facilities and in its areas of strength and derive benefit from the facilities and strengths of other institutions, bolster its existing research collaborations, widen its research ecosystem and contribute in new and emerging areas of research. The college has drawn up a roadmap for establishing academic collaborations and one such initiative is the Vidya Vistar Scheme of Delhi University where the College has signed MOU with Pettigrew College, Manipur University, for Educational Exchange Programme, to further its resource-sharing and knowledge exchange drive.

# **Concluding Remarks:**

### **Explication of Deshbandhu College's functioning**

Deshbandhu Colleges' functioning represents democratic character and collective responsibilities. The Governing body, headed by the Chairperson, whose authority is entrusted by the statutes and ordinances of the University of Delhi, manages and regulates the college in terms of overall administration, decision-making, finance, purchase, development, and overall quality surety. As Administrative Head, the Principal, assisted by the Vice Principal, manages supervision and execution of day-to-day functioning of the college coordinating

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with Department In-charges and Conveners of different committees, cells, clubs and societies, and is a member of University committees. The Bursar manages matters related to internal finances and financial audit. All purchases are done following GFR through GeM, e-tendering or and other authorized mechanisms. The College accounts are duly audited by AGCR, a government agency and external audits are done by CAG. Administrative decisions are implemented through the Administrative Officer assisted by Section Officers from Administration and Accounts Section. The caretaker is responsible for infrastructure development and maintenance, supervising all ground and housekeeping staff and is the custodian of all stock registers. The Public Information Officer addresses requests from persons seeking information in the form of RTIs and Principal acts as first appellate authority.

The Staff Council through its committees administer decisions related to academics, workload, timetable, purchases and maintenance, admissions, discipline, curricular and extracurricular aspects with the Principal as its chairperson. Secretary Staff Council, conveners and members of different committees are elected from amongst the faculty members.

The Teacher-in-Charges in consultation with faculty of individual departments facilitate the academic, financial and co-curricular requirements such as timetables, purchases, festivals, conferences, seminars and webinars.

The IQAC works to ensure the development and execution of quality benchmarks for the entire gamut of activities undertaken by the college.

The Librarian heads the library and the library committee decides on all the matters relating to the library while the library staff maintains the library.

The Director Physical Education and Sports takes care of all Physical Education and Sports requirements maintaining stock register and records in the College ERP. Coaches for different games provide coaching to the college sports teams.

# **6.ANNEXURE**

### 1.Metrics Level Deviations

Metric ID	Sub Question	ns and Answers	before and	after DVV	Verification	
1.2.1	Number of A	Add on /Certifi	icate/Value	added pro	grams offer	ed during the last five years
		er before DVV				
		er After DVV V				
	Remark:	Input edited as	per the excl	uding repea	ted courses.	
3.3.1	Number of r	esearch papers	published p	per teacher	in the Jouri	nals notified on UGC care list during
	the last five y	years				
	2211	. 1 0	•		1 400	I Was a Pri
			arch papers	s in the Jou	rnals notifi	ed on UGC CARE list year wise
		ast five years				
	Answe	er before DVV	Verification	:		1
	2021-	22 2020-21	2019-20	2018-19	2017-18	
	167	186	163	121	124	
	Answe	er After DVV V	erification :			•
						1
	2021-	22 2020-21	2019-20	2018-19	2017-18	
	152	142	144	92	106	

Remark: Input edited as per the supporting documents.

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
28	47	65	71	56

### Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
23	41	56	63	46

Remark: Input edited as per the supportive documents.

### 2.Extended Profile Deviations

Extended Profile Deviations	
No Deviations	