



# **SELF STUDY REPORT**

**FOR**

**4<sup>th</sup> CYCLE OF ACCREDITATION**

## **B. K. BIRLA COLLEGE OF ARTS, SCIENCE AND COMMERCE**

**B. K. BIRLA COLLEGE ROAD, KALYAN (W), DIST. - THANE (M.S.), INDIA, PIN**

**CODE - 421301**

**421301**

**[www.bkbirlacollegekalyan.com](http://www.bkbirlacollegekalyan.com)**

**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**January 2024**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

B. K. Birla College of Arts, Science and Commerce, Kalyan, a multi-faculty premier institution of higher learning, was established in 1972, by Kalyan Citizens' Education Society with the blessings of Syt. B. K. Birla ji and Smt. Sarala ji Birla.

College is affiliated to UoM and offers 33UG, 34PG and 9 Ph.D. Programmes, with an enrollment of 8,700+ students.

The good governance is ensured through vibrant work culture. College has received several accolades /recognitions/grants namely,

- 'Autonomous Status' by UGC, New Delhi and UoM (since 2018-19)
- Accredited and Reaccredited by NAAC Bangalore and awarded
- 5 Star Status (First cycle) -2002;
- 'A' Grade (CGPA-3.37) - Second Cycle -2008;
- 'A' Grade (CGPA-3.58) - Third Cycle -2014.
- 'College of Excellence' status(2015-2020); 'CPE' status(2010-2015) by UGC.
- Rs. 5 Crore from RUSA for 'Enhancing Quality and Excellence'(2018-19).
- PARAMARSH scheme(2019-20) by UGC and MARGADARSHAN Scheme of NAAC, for mentoring of Non-accredited Institutions.
- 'DBT-Star Status' to Botany, Chemistry, Physics, Microbiology, Zoology and Star College Scheme to Mathematics, IT and CS(2017-20) by DBT, Govt. of India, New Delhi
- NABL accreditation to Environmental Sciences Laboratory(2022)
- Digital initiatives from management and under CSR
- Several accolades and Awards.
- Participation in NIRF.

The college has research culture;

- 23 Research Guides
- 33 Major and Minor Research Projects
- 482 research publications
- 34 Patents
- 284 books / chapters / articles.

Instillation of Values through GSC/ASC /WSC /WDC/NCC /NSS /DLLE / Rotaract Club etc. by organizing extension activities.

The College has 1,89,565 sq. ft. built-up area, including 72 classrooms, 53 laboratories, 338 CCTV Cameras, turnstile regulated entry/exit; ERP system, STP, ETP; solar panels, Rainwater harvesting, etc.

The Central Library has 1,17,465 accessioned books (81,893 physically available after weeding), 1130 audio-visual materials, access to e-resources, etc.

College has established Mpower Counselling Cell and Yoga center for Mental Healthcare Solution and physical fitness.

College ranked 4th in sports in UoM(2018-19) and during last five years, 138 and 5 students represented at National and International Level respectively.

Good Governance and leadership can be seen through various accolades, better infrastructure, technological integration, etc. fostering holistic development, academic excellence, and overall satisfaction.

## **Vision**

We aspire to be a premier institution of higher education, an inspiring Nodal Center, catering to the diverse needs of student fraternity, providing them State-of-the-Art facilities and a stimulating Teaching-Learning-Environment, to groom them into socially-responsible, excellent human resource.

## **Mission**

To enable students to develop as intellectually alive, socially responsible citizens ready for continuous personal and professional growth.

Objectives -

- To unlock the multiple facets of the students and to facilitate realization of students' potential for excellence.
- To provide them access to a comprehensive array of careers.
- To promote research culture in order to channelize their spirit of inquiry.
- To motivate the students for continuous personal and professional growth.
- To instill moral values to mould them into excellent human resource.
- To provide homely environment in the institution.
- To develop students into socially - responsible citizens.
- To attain still greater heights of glory and excellence.

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

### **Institutional Strength**

- The Legacy of Birlas- Syt. B. K. Birla ji and Smt. Sarala ji Birla
- Visionary, and Supportive Management, dedicated to the cause of Education.
- Vibrant and Cohesive family work-culture
- Autonomous Status
- Competent Faculty Staff.
- Inclusive Education
- Knowledge Partner at IIT Bombay Spoken Tutorial, Active Local Chapter at SWAYAM NPTEL,

#### MKCL

- Appropriate physical and digital infrastructure
- Mpower Counselling Cell.
- Sustainable eco-friendly campus
- Community engagement and outreach activities
- Good Research Culture and Patents

#### **Institutional Weakness**

- Student Teacher Ratio
- Funding for research from the Government and Non-Government agencies.
- Linkages with Industry for Joint Research and Consultancy Services.
- Tracking progression and placement of students.
- Number of students qualifying competitive examinations (UPSC, MPSC, etc.)

#### **Institutional Opportunity**

- Acquire Empowered Autonomous Status followed by University Status.
- Strengthening existing programs and Introduction of new-age skill-oriented programs as per changing needs for professional growth.
- Strengthen Digital Library System.
- Prepare students to qualify for various competitive examinations.
- Develop course content for MOOCs/Swayam, etc.
- Introduce journal for research publications.
- Introduce Online Open and Distance Learning Programs/courses.
- Introduce School concept (School of Biological Sciences / School of Humanities / School of C.S. and I.T. and School of Commerce and Business) from Department system.
- Developing Sports Academy

#### **Institutional Challenge**

- Classroom Attendance
- Corpus fund for promoting research activities / establishing Chairs.
- Major Research Project Grants and Industrial Consultancy.
- Placement of Students in reputable companies with better package.
- Entrepreneurship and Incubation.

### **1.3 CRITERIA WISE SUMMARY**

#### **Curricular Aspects**

The College aims to provide holistic education (need-based, skill-based, value-based, experiential learning) ensuring attainment. The curriculum is developed considering the market needs at Local, Regional, National and Global levels.

The College has been conferred Autonomy in 2018-19. After that Boards of Studies for each department and Academic Council was constituted following the UGC guidelines. The Board of Studies has designed the curriculum, defining measurable and achievable learning outcomes (PO, PSO, CO). The same is presented in the Academic Council for approval. And then to Governing Body and Governing Council, to accept the same. The suggestions were incorporated wherever applicable.

The College offers 33 UG, 34 PG and 09 Ph.D. programs. 757 new courses and 80 certificate courses have been introduced during last five years. These certificate courses aid students' skill development and make them future ready.

The Curriculum offers the potential to support Local, Regional, National and Global (LRNG) developmental needs of the students by framing appropriate Programme Outcomes (POs) and Course Outcomes (COs) in every program and course respectively. Cross cutting issues relevant to gender, environment and sustainability, human values and professional ethics are incorporated in the curriculum.

Teaching-learning process is strengthened to enrich the domain specific knowledge of the students by providing experiential learning through field trips, industrial visits, quizzes, research paper writing, supplemented by the use of ICT.

Curriculum feedback is collected from stakeholders in both online and offline mode, analyzed and Action Taken Report is generated. This feedback helps in continual improvement in the curricula and ensuring that the needs expressed by the stakeholders are met.

The curriculum is designed, developed, and delivered in a desired manner with cultural sensitivity with an aim that students are future ready for employment at LRNG level.

College is recognized as NPTEL Local Chapter from the year 2020-21. The college focusses on Experiential learning which is specifically facilitated through internships and projects.

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

Admissions are granted online in a transparent way. The reservation policy of the GoM is meticulously followed and there is a 'No Donation Policy' to ensure equitable learning opportunities to all the students pursuing education in the college.

Learner analysis assists in individualised attention to the learners based on their learning needs. Special needs students receive all the assistance necessary for accomplishing their learning goals.

ICT enabled teaching is fortified through Wifi enabled campus, multiple computer labs, smart classrooms, media lab, 3-D lab, LCD projectors and TVs as well as soft technology like licenced Microsoft 365, Qurio App and access to online e-content resources.

Learners are encouraged for additional learning through participation in various co and extra- curricular activities. Student mentoring is done through the multi-pronged approach of mentor-mentee cell, counselling centre, Centre for Yoga and Philosophy and Mpower Counselling Cell. This aids and abets learners in fulfilling their aspirations.

The College tries to maintain the Teacher-Taught ratio as per the guidelines of University of Mumbai. Management is proactive in sanctioning the necessary vacancies for appointment of faculty members for the best delivery of content to the learners. Faculty members are encouraged to pursue research leading to Ph.D. which ensures that the learners are getting instructed by the best. The teaching faculty is a unique amalgamation of senior faculty members with their experience and younger teachers with their new-age technological expertise. This brings empowerment in the faculty through exchange of skills.

Examinations are conducted by the BoE with strict adherence to the examination policy. The Examination procedures are handled through Inficare- Reso software and Mastersoft ERP (since 2022-23). The system of 40:60 Internal (Class Test, Assignment/Project/Presentation/Case study, Overall Performance) and Semester-End Examination is implemented. The Office of CoE is equipped with all the necessary hardware, software and security measures that ensure smooth conduct of examination, fair assessment and timely declaration of results.

The results are analysed and the attainment of learning outcomes is calculated through 80% direct calculation and 20% indirect calculation (feedback mechanism developed by IQAC for teaching-learning).

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

The college research committee reviews and updates the research policy regularly. The policy outlines the research design to encompass research ethics, process and application.

The college has 9 Ph.D. Research Centres, 23 Research Guides, 36 students pursuing Ph.D., and 23 students have been awarded Ph.D. degree, in the last five years. The research facilities are frequently upgraded / enhanced.

Equipments like HPLC, HPTLC, AAS, GC, FTIR, BET Surface Analyzer, Photoluminescence Spectrometer IV Set up, Current Voltage (I-V), Characteristics Set up, Thin film Deposition set up, RTPCR, AFM, XRD, have been purchased under the various grants received from DST (FIST Grant), Star Status and Star College Scheme grant from DBT, RUSA Grant under component 8 (Rs. 58.73 Lakhs for research) and Research Projects funded by DRDO, Century Rayon and Thing Pharma.

34 faculty members have received Rs. 38.86 Lakhs as grants from various Government/Non-Government agencies.

33 patents have been awarded/ granted to our faculty members in the last five years. Out of which 9 patents have been granted by the Government of Australia.

During last five years, faculty members have published -

- 485 research papers in Peer Reviewed and other listed National/International Journals.
- 251 research papers in UGC-Care listed Journals.
- 136 research papers in Scopus and WoS.
- Authored 284 books / chapters with ISBN number.

The Central Library has been enriched with Plagiarism software subscription and e-resources from INFLIBNET, DELNET, N-LIST.

The Management provides Seed Money for the research proposal submitted by the faculty (Rs. 34.44 Lakhs).

Department of Environmental Science laboratory has been accredited by NABL for wastewater analysis to provide consultancy to Industry and Research Scholars.

The students have been actively participating in various research competitions / conventions. The college have been awarded the 'Zonal Championship' at Inter-Collegiate / Institute / Department Aavishkar Research Convention, University of Mumbai for 2 consecutive years from 2022-23.

Outreach and extension activities like Blood donation, Visit to Old Age home, Distribution of books/Clothes/Sweets to Tribal students etc have been conducted by NCC, NSS and DLLE units.

### **Infrastructure and Learning Resources**

Over the past five years, the college has embarked on a transformative journey, prioritizing infrastructure development, enriching learning resources, upgrading IT infrastructure, and establishing procedures for campus maintenance. The unwavering commitment of the college patrons, management and staff has paved the way to fostering a vibrant and stimulating academic environment.

The newly constructed science building offers state-of-the-art, well-equipped classrooms and laboratories which cater to practical learning. Smart classrooms with interactive whiteboards and high-speed internet connectivity facilitate blended learning. The focus on sustainability through solar panels, LED lighting, ETP and STP plants and rainwater harvesting initiatives demonstrates its commitment to environmental responsibility.

The library has been transformed into a dynamic Knowledge Resource Centre, housing over one lakh books, periodicals, e-resources, etc. Automation through Libsys10 and LSDiscovery ensures seamless access to resources. Digital subscriptions, facilities for e-content development, interactive sessions, and innovative initiatives like Book-Port service contribute to optimizing library utilization and knowledge-sharing.

High-speed internet, campus-wide Wi-Fi connectivity, 34 smart classrooms equipped with cutting-edge technology, and advanced computer labs cater to the evolving needs of modern education. Additionally, software access like Microsoft 365, Libsys10 ILMS, and ERP systems enhance operational efficiency. The College's adaptability is evident in its swift transition to online learning via MS Teams during the pandemic, ensuring uninterrupted education for students.

The College provides well-equipped facilities for e-content development. A well-equipped recording room with professional mixing and editing software, creative tools like Croma background and HD cameras, and access to subscribed and open-source software, foster creativity.

Infrastructure Committee allocates resources, oversees schedules, and ensures quality control. Regular cleaning, equipment calibration, and instrument validation are prioritized, and rotational systems for laboratory and computer lab access, waste management strategies, and preventive maintenance schedules ensure smooth operations. Additionally, the College prioritizes students' well-being through security personnel, CCTV cameras, automated gates, UV water filtration, and sanitary pad vending machines.

College has an active approach towards development and maintenance resulting in a dynamic and well-

equipped campus. This offers best educational experience to students and fosters academic excellence and holistic development.

### **Student Support and Progression**

The commitment and continuous strive of the institution for student engagement coupled with conducive atmosphere and policies has enabled the institution to earn a reputation for academic excellence, rounded growth of the students and a safe environment. Zero tolerance policy towards sexual harassment, ragging, racism creates a sense of security for the students. The Institution has developed a comprehensive redressal mechanism.

The Students council plays dual role of managing and conducting various activities and also to represent student issues and concerns before the respective committees

68.2% students were benefitted by scholarships/ free ships (14517 through government and 11173 through non-government scholarships and free ships schemes). Through Career Counselling, e-counselling and guidance for competitive examinations, 179 activities were held and 27631 students participated. The Institution during the last 5 years organized 208 capacity development /skill enhancement activities and 19,023 no. of students participated.

Out of 11,845 students graduated from last five years, 95.06% (11260) progressed (3289 secured placement and 7971 pursue higher studies).

463 (3.91%) students qualified state/national and international level examinations during last five years.

72 students received awards and medals for their outstanding performances in sports/ cultural and Republic Day Parade participation.

The Institution has organized 395 activities through sports, cultural, tech/academic fest and active clubs in last five years.

The Alumni Association of the Institution is a registered body. It contributes to the academic, cultural, infrastructural and students welfare aid, share their professional skills and knowledge in various programmes. Alumni of the college contributed Rs.51,06,409 for the welfare of the college students.

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

The college's visionary leadership and strong governance have firmly established its standing as a reputable institution in higher education. This is evident in the achievement of milestones such as obtaining 'Autonomous College Status' progressing to 'Empowered Autonomous College Status' .

The collaborative development of a Perspective Plan aligns with the institution's Vision and Mission, emphasizing academic excellence, research, innovation, community engagement, and sustainable practices in both academics and administration.

The college has implemented a range of policies and procedures and e-governance approaches to govern the

various domains of its higher education institute.

Welfare measures, avenues for Career Development and well-defined Performance Appraisal policy add to the effective governance.

284 faculty members attended FDP/ Refresher/Orientation Programmes during the last five years. 267 faculty members have been provided with financial support to attend conferences, workshops, seminars, etc.

Under 'PARAMARSH' scheme of UGC, 05 mentee colleges received NAAC Accreditation. The college organized 36 webinars (Scholarly Lecture Series) and 06 workshops for mentee institutions.

Rs. 727.48 Lakhs received from government bodies, non-government bodies and philanthropists for enhancing the quality education, infrastructure and green initiatives.

Regular Internal and external audits, ISO Certification Audit (9001:2015), Academic Audits, Gender Audit, Green Audits, Safety Audits have been conducted to sustain quality. The college pro-actively have been participating in NIRF Ranking thereby focusing on quality improvement and fostering a culture that strives for excellence.

IQAC systematically evaluates and improves various aspects of education, ensuring compliance with standards. It fosters a culture of continuous improvement, promoting excellence in teaching, research, and overall institutional performance. IQAC has taken several initiatives to familiarize faculty members and students for implementation of NEP 2020 from the Academic Year 2023-24.

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

The college is committed to promote diversity, equity, inclusion along with environmental responsibility across various aspects of the organization's operations. The College is rooted in values and focuses on providing the students with the best possible learning environment. The foundation of our college is based on the values of Simplicity, Humility, and Humanity laid down by our inspirational patrons.

Various initiatives to create a unique environment that fosters skill development, inculcate values, and develop socially responsible individuals, are taken by the College.

In maintaining an inclusive, safe, and value-based environment, the College through several practices such as conducting a gender audit, reviewing and revising policies to ensure equitable learning opportunities, providing ample opportunities to develop professional, social, and life skills through various avenues such as NCC, NSS, DLLE, Rotaract, Sports, Arts Circle, etc.

The college implements energy-efficient technologies and practices like integration of renewable energy sources such as solar, undertaking energy audits to identify and address areas for improvement.

Some key features that contribute towards creating a holistic environment are –

#### **1. Physical, Digital, and Green Infrastructure**

To enhance the teaching-learning and evaluation processes, the College has developed new physical (New Building of 55,000 sq. feet, etc.) and digital infrastructure (ERP, Wi-Fi enabled campus, etc.).

The College has an eco-friendly campus. Several initiatives to create awareness about the preservation of the environment are conducted through the various activities periodically.

## 2. New Age Programs

In recognition of the changing needs and trends of the industry, the College has consistently introduced various need-based new-age programs in all faculties of Arts, Science & Commerce since the A. Y. 2018 - 2019. In the A. Y. 2022-2023, 03 new programs (B. M. S. (Retail Management), M. A. (Geography), and M. Sc. Food Science & Nutraceuticals) were introduced.

## 3. Value-based Learning.

Through several curricular and extracurricular activities, the college achieves inculcation of values, a positive outlook and continues its quest for excellence.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	B. K. BIRLA COLLEGE OF ARTS, SCIENCE AND COMMERCE
Address	B. K. Birla College Road, Kalyan (W), Dist. - Thane (M.S.), India, Pin code - 421301
City	Kalyan
State	Maharashtra
Pin	421301
Website	<a href="http://www.bkbirlacollegekalyan.com">www.bkbirlacollegekalyan.com</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Avinash Govind Patil	091-8080104048	8080104048	0251-2231029	principal@bkbirlacollegekalyan.com
IQAC / CIQA coordinator	Lakshita Soni	091-9321916657	9321916657	0251-2231029	iqac@bkbirlacollegekalyan.com

Status of the Institution	
Institution Status	Grant-in-aid and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of Establishment, Prior to the Grant of	15-06-1972

'Autonomy'				
Date of grant of 'Autonomy' to the College by UGC		10-07-2018		
<b>University to which the college is affiliated</b>				
<b>State</b>	<b>University name</b>	<b>Document</b>		
Maharashtra	University of Mumbai	<a href="#">View Document</a>		
<b>Details of UGC recognition</b>				
<b>Under Section</b>	<b>Date</b>	<b>View Document</b>		
2f of UGC	01-04-1977	<a href="#">View Document</a>		
12B of UGC	08-02-2012	<a href="#">View Document</a>		
<b>Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)</b>				
<b>Statutory Regulatory Authority</b>	<b>Recognition/Approval details Institution/Department programme</b>	<b>Day,Month and year(dd-mm-yyyy)</b>	<b>Validity in months</b>	<b>Remarks</b>
No contents				

<b>Recognitions</b>	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	Yes
If yes, date of recognition?	18-03-2010
Is the College recognized for its performance by any other governmental agency?	Yes
If yes, name of the agency	Department of Biotechnology Government of India New Delhi
Date of recognition	29-06-2017

<b>Location and Area of Campus</b>				
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>
Main campus area	B. K. Birla College Road, Kalyan (W), Dist. - Thane (M.S.), India, Pin code - 421301	Urban	20	19289.7

## 2.2 ACADEMIC INFORMATION

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/ Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BCom, Commerce,	36	HSC	English	650	605
UG	BCom, Commerce, Banking and Insurance	36	HSC	English	72	63
UG	BVoc, Commerce, Financial Market and Trading Operations	36	HSC	English	50	27
UG	BMS, Management Studies,	36	HSC	English	264	264
UG	BMS, Management Studies, Hons . in Sports Management	36	HSC	English	60	34
UG	BMS, Management Studies, Retail Management	36	HSC	English	60	57
UG	BCom, Management Studi	36	HSC	English	72	66

	es,Financial Management					
UG	BMS,Management Studies,Hons . in Event Management and PR	36	HSC	English	60	41
UG	BVoc,Management Studies,Business Management and Entrepreneurial Development	36	HSC	English	60	51
UG	BVoc,Information Technology,Cyber Security and Forensics	36	HSC	English	60	60
UG	BSc,Information Technology,Information Technology	36	HSC	English	144	144
UG	BCA,Computer Science,Bachelor of Computer Application	36	HSC	English	66	66
UG	BSc,Computer Science,Computer Science	36	HSC	English	86	86
UG	BSc,Biotechnology,Biotechnology	36	HSC	English	84	72
UG	BVoc,Microbiology,Medical Laboratory Technology	36	HSC	English	60	56

UG	BSc, Microbiology, Microbiology	36	HSC	English	47	47
UG	BSc, Chemistry, Chemistry	36	HSC	English	74	74
UG	BSc, Physics, Physics	36	HSC	English	33	33
UG	BSc, Mathematics, Mathematics	36	HSC	English	28	28
UG	BSc, Botany, Hons. in Integrative Nutrition and Dietetics	36	HSC	English	60	35
UG	BSc, Botany, Botany	36	HSC	English	24	24
UG	BSc, Zoology, Zoology	36	HSC	English	48	48
UG	BA, Marathi, Marathi	36	HSC	Marathi	42	42
UG	BA, Hindi, Hindi	36	HSC	Hindi	34	34
UG	BA, History, History	36	HSC	English, Marathi	58	58
UG	BA, English, English	36	HSC	English	31	31
UG	BA, Political Science, Political Science	36	HSC	English, Marathi	70	70
UG	BA, Economics, Economics	36	HSC	English, Marathi	67	67
UG	BA, Geography, Geography	36	HSC	English, Marathi	50	50
UG	BA, Multimedia And	36	HSC	English	60	60

	Mass Communication, Multimedia and Mass Communication					
UG	BA, Philosophy, Philosophy	36	HSC	English	30	30
UG	BCom, Accountancy, Accounting and Finance	36	HSC	English	204	196
UG	BSc, Interdisciplinary Studies, Honors in Interior Design	36	HSC	English	60	49
PG	MCom, Commerce, Advance Accountancy	24	B.Com.	English	120	67
PG	MCom, Commerce, E Commerce	24	B.Com.	English	60	19
PG	MCom, Commerce, Banking and Finance	24	B.Com.	English	60	49
PG	MCom, Management Studies, Business Management	24	B.Com.	English	60	28
PG	MSc, Management Studies, Finance	24	Any graduate student with compulsory to have Mathematics either at HSC or Graduation.	English	40	17
PG	MSc, Management	24	B.A. B.Com. and B.Sc.	English	10	0

	Studies,Event Management and PR					
PG	MSc,Management Studies,Sports Management	24	B.A. B.Com. and B.Sc.	English	40	11
PG	MSc,Information Technology,Information Technology Cloud Computing	24	B.Sc. BE	English	40	27
PG	MSc,Information Technology,Data Science and Big Data Analytics	24	B.Sc. BE	English	48	46
PG	MSc,Information Technology,Artificial Intelligence	24	B.Sc. BE	English	40	29
PG	MSc,Computer Science,Computer Science	24	B.Sc. BE	English	40	40
PG	MSc,Biotechnology,Biotechnology	24	B.Sc.	English	40	25
PG	MSc,Biotechnology,Biotechnology Industrial Biotechnology	24	B.Sc.	English	40	6
PG	Integrated(PG),Biotechnology,Biotechnology	24	B.Sc.	English	35	32

PG	MSc, Microbiology, Microbiology Industrial Microbiology	24	B.Sc.	English	10	0
PG	MSc, Microbiology, Microbiology	24	B.Sc.	English	12	12
PG	MSc, Chemistry, Chemistry Analytical Chemistry	24	B.Sc.	English	40	38
PG	MSc, Chemistry, Chemistry Organic Chemistry	24	B.Sc.	English	12	11
PG	MSc, Physics, Physics Electronics	24	B.Sc.	English	12	11
PG	MSc, Physics, Materials Science	24	B.Sc.	English	10	0
PG	MSc, Mathematics, Mathematics Applied Mathematics	24	B.Sc.	English	40	11
PG	MSc, Botany, Botany Molecular Biology Cytogenetics and Plant Biotechnology	24	B.Sc.	English	15	14
PG	MSc, Botany, Food Science and Nutraceuticals	24	B.Sc.	English	40	22
PG	MSc, Zoology, Cell Biology and	24	B.Sc.	English	10	0

	Cytogenetics					
PG	MSc,Zoology,Zoology Endocrinology	24	B.Sc.	English	40	26
PG	MA,Marathi,Marathi	24	B.A. B.Sc. B.Com.	Marathi	60	12
PG	MA,Hindi,Hindi	24	B.A. B.Sc. B.Com.	Hindi	60	23
PG	MA,History,History	24	B.A. B.Sc. B.Com.	English + Marathi	60	19
PG	MA,Political Science,Political Science	24	B.A. B.Sc. B.Com.	English + Marathi	60	49
PG	MA,Geography,Geography	24	B.A. B.Sc. B.Com.	English + Marathi	40	16
PG	MSc,Environmental Science,Environmental Sciences	24	B.Sc.	English	40	11
PG	MSc,Bioanalytical Science,Bioanalytical Science	24	B.Sc.	English	40	8
PG	MA,Business Economics,Business Economics	24	B.A. B.Sc. B.Com.	English	60	54
PG	MCom,Accountancy,Accounting and Finance	24	B.Com.	English	72	72
Doctoral (Ph.D)	PhD or DPhil ,Biotechnology,Biotechnology	36	NET SET PET M.Phil	English	10	1
Doctoral (Ph.D)	PhD or DPhil ,Microbiology	36	NET SET PET M.Phil	English	10	0

	y, Microbiology					
Doctoral (Ph.D)	PhD or DPhil, Chemistry, Chemistry	36	NET SET PET M.Phil	English	8	0
Doctoral (Ph.D)	PhD or DPhil, Physics, Physics	36	NET SET PET M.Phil	English	12	5
Doctoral (Ph.D)	PhD or DPhil, Botany, Botany	36	NET SET PET M.Phil	English	10	1
Doctoral (Ph.D)	PhD or DPhil, Zoology, Zoology	36	NET SET PET M.Phil	English	10	1
Doctoral (Ph.D)	PhD or DPhil, Hindi, Hindi	36	NET SET PET M.Phil	Hindi	16	0
Doctoral (Ph.D)	PhD or DPhil, History, History	36	NET SET PET M.Phil	English	10	0
Doctoral (Ph.D)	PhD or DPhil, Economics, Economics	36	NET SET PET M.Phil	English	5	1

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

<b>Teaching Faculty</b>												
	<b>Professor</b>				<b>Associate Professor</b>				<b>Assistant Professor</b>			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	8				13				51			
Recruited	4	4	0	8	10	3	0	13	16	8	0	24
Yet to Recruit	0				0				27			
Sanctioned by the Management/Society or Other Authorized Bodies	2				0				67			
Recruited	1	1	0	2	0	0	0	0	12	55	0	67
Yet to Recruit	0				0				0			

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				126
Recruited	61	9	0	70
Yet to Recruit				56
Sanctioned by the Management/Society or Other Authorized Bodies				110
Recruited	88	22	0	110
Yet to Recruit				0

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

**Qualification Details of the Teaching Staff**

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	
D.sc/D.Litt/LLD/DM/MCH	1	0	0	0	0	0	0	0	0	1
Ph.D.	4	5	0	8	3	0	8	16	0	44
M.Phil.	0	0	0	0	0	0	2	0	0	2
PG	0	0	0	2	0	0	14	18	0	34
UG	0	0	0	0	0	0	0	0	0	0

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	1	10	0	11
M.Phil.	0	0	0	0	0	0	0	1	0	1
PG	0	0	0	0	0	0	3	18	0	21
UG	0	0	0	0	0	0	0	0	0	0

<b>Part Time Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	1	4	0	5
M.Phil.	0	0	0	0	0	0	0	1	0	1
PG	0	0	0	0	0	0	3	17	0	20
UG	0	0	0	0	0	0	0	0	0	0

<b>Details of Visting/Guest Faculties</b>					
<b>Number of Visiting/Guest Faculty engaged with the college?</b>	<b>Male</b>		<b>Female</b>		<b>Total</b>
	59	34	0		93

**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	2886	26	0	0	2912
	Female	4008	19	0	0	4027
	Others	0	0	0	0	0
PG	Male	574	5	0	0	579
	Female	902	13	0	0	915
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	2	0	0	0	2
	Female	2	0	0	0	2
	Others	0	0	0	0	0
Certificate / Awareness	Male	546	0	0	0	546
	Female	1001	0	0	0	1001
	Others	0	0	0	0	0

<b>Provide the Following Details of Students admitted to the College During the last four Academic Years</b>					
<b>Category</b>		<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>
SC	Male	412	490	431	360
	Female	618	744	688	619
	Others	0	0	0	0
ST	Male	243	226	220	216
	Female	258	259	240	275
	Others	0	0	0	0
OBC	Male	727	722	595	521
	Female	1092	1072	957	874
	Others	0	0	0	0
General	Male	1851	1517	1339	1224
	Female	2561	2197	2093	2100
	Others	0	0	0	0
Others	Male	370	455	388	324
	Female	492	523	471	439
	Others	0	0	0	0
Total		8624	8205	7422	6952

## 2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Accountancy	<a href="#">View Document</a>
Bioanalytical Science	<a href="#">View Document</a>
Biotechnology	<a href="#">View Document</a>
Botany	<a href="#">View Document</a>
Business Economics	<a href="#">View Document</a>
Chemistry	<a href="#">View Document</a>
Commerce	<a href="#">View Document</a>
Computer Science	<a href="#">View Document</a>
Economics	<a href="#">View Document</a>
English	<a href="#">View Document</a>
Environmental Science	<a href="#">View Document</a>
Geography	<a href="#">View Document</a>
Hindi	<a href="#">View Document</a>
History	<a href="#">View Document</a>
Information Technology	<a href="#">View Document</a>
Interdisciplinary Studies	<a href="#">View Document</a>
Management Studies	<a href="#">View Document</a>
Marathi	<a href="#">View Document</a>
Mathematics	<a href="#">View Document</a>
Microbiology	<a href="#">View Document</a>
Multimedia And Mass Communication	<a href="#">View Document</a>
Philosophy	<a href="#">View Document</a>
Physics	<a href="#">View Document</a>
Political Science	<a href="#">View Document</a>
Zoology	<a href="#">View Document</a>

### Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	The college has established an inclusive learning
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environment, supported by competent faculty and adequate infrastructure to facilitate interdisciplinary education in line with its vision and mission. The College has been preparing for implementation of NEP 2020 from the AY 2023-24. Several training programs have been organised from the AY 2020-21 to 2022-23, to familiarize faculty members and students with the paradigm shift in education under NEP 2020. The emphasis has been on developing the curriculum/design of six verticals of various programs. The college has been focusing on various key aspects like choice of programs, enriched curriculum, faculty training, infrastructure, etc. to transform itself into a holistic multidisciplinary institution. College has implemented NEP 2020 as per the circular from Govt of Maharashtra (NEP - 2022/ ????.??? 09 / ??? - 3/ ?????? dated, 20th April 2023 and NEP 2020/ ??? .??? .09/???? -3 ?????? dated 16 May 2023). The College adopted the circular in totality for implementation through approval of Academic Council, Governing Body and Governing Council. While implementing NEP-2020 following aspects have been considered for developing curriculum:

- Credit framework under 3yrs/4yrs UG programme with multiple entry and multiple exit options
- Under a four-year UG Degree (Honours/ Honours with Research) program. Students have to submit research project or dissertation of 12 credits in the fourth year in their respective Major subjects for Honours with Research degree.
- The allocation of the 12 credits in Semester VII & VIII will be determined by the academic authorities of the college.
- The departments having permission and recognition for the PG along with UG degree programs in the same Major are allowed to continue the PG degree program and conduct the fourth year of UG Honors.
- Departments with approved PG programmes and Ph.D. research centres are allowed to continue PG degree programmes and start the fourth year of UG Honours with Research, degree in the same subject. The curriculum framework of NEP 2020 provides learners with the flexibility to:
- Transition between different disciplines of study
- Shift from one institution to another, promoting multi and/or interdisciplinary learning, with credit transfer.
- Embrace alternative modes of learning, including offline, Open and Distance Learning (ODL), online, and hybrid

	<p>learning • Choose courses aligned with their interests</p> <ul style="list-style-type: none"> <li>• multiple entry and exit options, leading to the award of an UG certificate, UG diploma, or three-year degree based on the credits earned. With the implementation of NEP-2020 from the Academic Year 2023-24, the college offers multidisciplinary curriculum with a choice of selecting major, minor, and open elective courses. The other verticals (SEC, AEC, VSC and IKS) of NEP 2020 framework has widened the spectrum of knowledge. (<a href="https://www.bkbirlacollegekalyan.com/files/menu_link/file/375/NEP%20Booklet.pdf">https://www.bkbirlacollegekalyan.com/files/menu_link/file/375/NEP%20Booklet.pdf</a>) The college has introduced several new-age and interdisciplinary UG and PG programs/courses during last 5 years. The College has also introduced a diverse array of new courses as part of the open elective program, engaging learners actively through online/offline lectures for AEC, IKS and VEC.</li> </ul>
<p>2. Academic bank of credits (ABC):</p>	<p>The College has taken several initiatives to make the students aware about the ABC IDs. - Guidelines are displayed on college website to make everyone aware about the significance of ABC ID. - A notice from Board of Examinations has been circulated detailing the steps to create ABC IDs. - Problems faced by the students are addressed. - Videos/ Information Brochure are also shared with the students. - Different Google links were created for all the programs and circulated in their groups for ABC ID's - QR code has been generated for creating ABC ID. Faculty members attended workshop on ABC ID organised by University of Mumbai and other colleges to upgrade themselves regarding generation and implementation of ABC IDs. The College has registered with the ABC Portal to facilitate its learners to avail the benefit of multiple entry and exit during the chosen program. Academic Bank of Credits (ABC) scheme has been established on the lines of the National Academic Depository (NAD), in the month of May 2022, through registration on NAD portal. ABC will enable students to register or commence credit transfer, the final outcomes of credit redemption and issuance of certificates, as well as the compilation of award records, as administered by institute via NAD Platform. The college has provided technical help and guidance to the students to generate ABC ID's. The institute has nominated Dr. Avinash Patil, Principal and Chief Controller,</p>

	<p>Board of Examination as Nodal Officer and Dr. B. S. Wadekar, Controller of Examination is Verifying Officer of NAD. The institute data will be live on NAD portal very soon and marksheets will be available in NAD account of the students admitted in AY 2021-22. Almost 4000 SY and TY students have been registered on DIGILOCKER and generated ABC IDs. Thus, the process facilitated transparency and helps to build flexible approach to curriculum design and development. The College is also active Local Chapter for NPTEL. Students enrolled for NPTEL courses are required to generate ABC IDs compulsorily. College conducted workshop in association with NPTEL titled 'NPTEL Awareness E-workshop 2023'.</p>
<p>3. Skill development:</p>	<p>The college has been focusing on vocational education, with an aim to create skilled individuals to meet current industry needs. The incorporation of Skill Enhancement courses in both undergraduate and postgraduate programs, with a focus on technical and subject-related skills, is a proactive approach to ensure that students are well-prepared to be part of the workforce. The flexibility available to the students for choosing skill courses from other disciplines and faculties adds a multidisciplinary dimension to their education. The College has few regular programs with a focus on the vocational education like B.A.M.M.C., B.Com (A&amp;F), B.Com (B &amp; I), B.Com. (Financial Management), B.Sc. (CS), B.Sc. (IT), ADMLT, and PG programs like M.Sc. Data Science and Big Data Analytics / AI / Finance / Industrial Biotechnology / Industrial Microbiology / Analytical Chemistry, M. Com. (A&amp;F) / (Business Management), etc. to hone the employability skills amongst the students. The College also has UGC sanctioned Community College 'Diploma in Accounting &amp; Taxation' since 2015-16 which facilitates on-the-job training. The college has introduced 04 vocational programs (Medical Laboratory Technology, Cyber Security and Forensics, Financial Market and Trading Operations, Business Management and Entrepreneurial Development) sanctioned by UGC from the academic year 2020-21. The College has signed MoU with Sector Skill Council to keep pace with industry demands and provide diverse career paths. Skill based certificate courses are also introduced, to</p>

	<p>bridge the skill gap and to make students future ready. College has also incorporated soft skills training into the curricula, prioritising communication, presentation skills, and leadership competencies. Workshops, seminars, and hands-on training sessions on RT-PCR, Chromatography, XRD, Startups, GST, Tally ERP, Stock Markets, etc. are organised, to prepare students to apply their knowledge, skills, and abilities in real life. The inclusion of research projects, on-the-job training, and internships provide students, enhances their competencies and proficiency. Furthermore, the College has also been organising sessions on Entrepreneurial Skills for nurturing a spirit of innovation and business acumen amongst the students. The College believes in experiential learning by; - Organising Exhibitions (Techfest, Shivrayangan, etc) - Simulation Activities like Management Day(with theme of Sanskardhani),Taxation Day, Banking Day, e-Commerce Day. - Annual Intercollegiate Science Fest-Pravah - Literature Fest (Metamorphosis, Hindi Sahitya Saptah, Marathi Bhasha Pandharvada, etc.) - Sci-Tech Fest (TechXpression, QueryMania, etc.) These activities in addition to classroom teaching serve as powerful tool for intellectual and skill development, fostering critical thinking, self-awareness, and a lifelong commitment to learning and improvement.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>The college has diligently pursued a comprehensive strategy for the seamless integration of the Indian Knowledge System into its curriculum. The primary objective of this strategic approach is to infuse traditional knowledge into the contemporary discourse surrounding societal issues. A pivotal facet of this strategy involves designing of the curriculum, encompassing the case studies and the introduction of dedicated courses focused on traditional knowledge. Since its inception, the College has been committed to provide a comprehensive academic landscape, offering UG, PG, and Ph.D. programs in two prominent Indian languages and literature - Marathi and Hindi. Within the existing curriculum, the College offers an array of courses that delve into various facets of Indian culture, history, and ethics. Students have the opportunity to engage in subjects such as Comparative Study of Indian Religions and</p>

	<p>Indian Ethics in Philosophy, Indian Ethos in Management, History of Ancient India, Medieval India and Modern India, Indian Political Thought, and more. This diverse range of courses ensures a holistic educational experience that encompasses the rich tapestry of India's cultural, historical, and political heritage, fostering a deep understanding among the students. The College encourages the convergence of ayurveda and traditional medicine in its curriculum. Additionally, the incorporation of traditional agricultural practices emphasizing sustainability, organic farming, and water conservation forms a crucial component. Under the National Education Policy (NEP) 2020, the College is set to launch a certificate course on Ancient Indian Languages, Indian culture, and Mythologies. These courses will be delivered with a focus on Indian Philosophy. With proficiency in Hindi, Marathi, and English across all faculties, the College conducts bilingual lectures in some of the lectures of Arts faculty. The Department of History under the Centre for Epigraphy conducts certificate courses in Pali and Modi scripts. Similarly, the Department of Philosophy integrates the preservation of ancient traditional knowledge into its syllabus, covering various subjects related to Indian philosophy, ethics, and religion. The College further has a dedicated Yoga and Philosophy Centre, underscoring its commitment to the safeguarding of ancient traditional knowledge. Hindi department has organized many conferences in the past five years. Recognizing the diversity of its students, the department offers the Saral Hindi Course to interested students, fostering linguistic inclusivity. 'Hindi Saptaha,' a student festival, is organised annually to magnify the linguistic vibrancy and cultural essence. Marathi department celebrates the Marathi Bhasha Gaurav Diwas every year, also conducts Sugam Marathi certificate course. The linguistic departments offers certificate courses for proficiency in different languages for the students. The college, in its holistic approach to cultural preservation, organizes various cultural programs and festivals with the theme of Indian art and culture.</p>
5. Focus on Outcome based education (OBE):	<p>The College has been conferred Autonomous status in 2018. Post Autonomy, the curriculum was designed by the BoS to include the learning</p>

objectives and course outcomes for all the courses. The Programme outcomes, Programme Specific Outcomes and Course outcomes were redefined in the consequent revisions of curriculum keeping the graduate attributes at the focal point. A rigorous exercise was carried out to define every Programme Outcome and Course Outcome which was achievable and measurable. The College organised scholarly guidance sessions for the faculty members on how to define achievable and measurable Programme Outcomes, Programme Specific Outcomes and Course Outcomes. All the teachers are involved in the process of framing the curriculum and defining the POs, PSOs and COs. The curriculum was finalized after due deliberations in the BoS meetings. The same was presented in the Academic Council, Governing Body and Governing Council for approval. The suggestions were incorporated wherever applicable. The Programme Outcomes are defined for each programme (eg. B.A., B. Com., B.Sc., etc.). These POs define the expected learning outcome and graduate attributed that the learner is expected to attain after completing the programmes and becoming eligible to get a degree in the said programme. The Programme Specific Outcomes are defined for programmes in specific streams of learning. (eg. B.A. Geography, B.Sc. Physics, etc) The Course Outcomes are defined for each course at every semester. (eg. Geography –I/ II, Physics–I/ II, etc.). The curriculum, along with the integrated POs, PSOs, and COs, are made available to all stakeholders. They are displayed on the college website and communicated to students during lectures and parent-teacher meetings, ensuring transparency and awareness. Yearly feedback from different stakeholders pertaining to curriculum and learning outcomes is taken to ensure continual improvement. The next stage is evaluating the attainment of the learning outcomes. The process of mapping the Programme Outcomes against the Course Outcomes is done meticulously. The attainment levels are defined at a set target. The CO attainment is based on semester end examination and internal assessment. CO attainment is calculated with 75% (Attainment level in semester end examination) + 25% (Attainment level in internal examination). The PO attainment includes 80% (direct assessment) + 20% (indirect assessment through feedback from

	<p>various stakeholders). The curriculum of all the programmes/ courses are reviewed and revised periodically, based on the feedback received. This approach fosters a culture of continuous improvement, transparency, and accountability in the pursuit of academic excellence and ensures that the teaching-learning process is aligned with the expectations of higher education and industry needs.</p>
<p>6. Distance education/online education:</p>	<p>The college intends to initiate Open and Distance Learning (ODL) to explore the feasibility of offering vocational courses. The impetus to online learning has been given by the pandemic and hybrid learning has become a norm ever since. The College has subscribed for Microsoft O365 Campus agreement. The college has organized several training sessions for faculty members, Staff, and over 7,500 students to familiarize them with the Microsoft Teams digital platform, O365, Sharepoint, OneDrive, MS Forms, etc. The college encourages faculty members to participate in webinars and workshops on education technology and teaching tools, empowering them with enhanced pedagogical skills. Students have also been motivated to enrol in MOOCs, SWAYAM, NPTEL, and other skill development online courses. Many students from the college regularly enrol in SWAYAM NPTEL courses, indicating a strong interest and uptake in online learning. The college has been recognized as an active Local Chapter from SWAYAM NPTEL during the academic years 2020-21 and 2021-22, emphasizing its commitment to promoting online education. The college has subscribed to the IIT Bombay Spoken Tutorial and MKCL, allowing students to complete various skill-based certificate courses in online mode. This subscription has seen active participation from numerous students, enhancing their skill sets. The college has explored various online examination tools like Microsoft forms and Google forms, Qurio App, Student Diary Cloud App, familiarizing students with potential online examination modes. Students have been encouraged to use MS Teams for the submission / presentation of projects and use MS Office tools through their O365 credentials. The college has organized webinars guiding faculty members on different aspects of online evaluation and support sessions to prepare students for examinations in the new online format. Proctored</p>

online examinations were conducted using Qurio Software. The academic year 2021-22 commenced with online modes of teaching, learning, and evaluation, with official O365 email IDs provided to faculty members and students, granting access to Microsoft Teams Classrooms and other tools. The campus is Wi-Fi enabled along with LAN connection (300 Mbps leased line). Additionally, development of 34 Smart classrooms/hybrid classrooms/ digital panels and 3D classroom further enhances the college digital infrastructure for enriched learning experiences. Faculty members have created and uploaded online study materials, PowerPoint presentations, and videos using MS Tools to MS Teams Classroom.

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

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

The College established Electoral Literacy Club (ELC) in 2022. This club envisaged a platform to engage the students/volunteers through invigorating initiatives, hands-on experiences, to sensitize the youngsters on their Electoral Rights. The Club provides students with details about the electoral process. The aim of the Election Commission of India through ELC is strengthening the culture of electoral participation among the students and future voters. The main objectives of the ELC are to sensitize the student community about the democratic process and to create awareness. Its objectives include: 1. Educating people about the registration and Legal Electoral Processes. 2. Introducing and explaining the process of usage of voting machines like Electronic Voting Machines (EVMs) and Voter Verifiable Paper Audit Trail (VVPAT). 3. Helping the audience recognize the importance of their vote. The club organizes a variety of activities aimed at creating awareness about the democratic system, which empowers every citizen of our country to make them independent and confident decision makers when selecting their leaders. These activities include mock polling, mock parliamentary sessions, debates, elocution, drawing, and essay writing, among others. The Club has been effectively implementing its initiatives in alignment with its vision.

<p>2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?</p>	<p>The Student Coordinators and Faculty Coordinators have played pivotal roles in organizing activities that emphasize the importance of exercising our voting rights. The faculty coordinators are as follows: • Dr. Avinash Patil, Chairman, Principal, BKBCCK (Chairman) • Dr. Sandesh Jaybhaye, Coordinator, Associate Professor in Chemistry (Members) • Adv. Ganesh Kumawat, Co-coordinator, Assistant Professor in Law (Members) • Dr. Kantilal Nagare, Member, Assistant Professor in Zoology (Members) • Dr. Sonali Patil, Member, Assistant Professor in Bioanalytical Science (Members) • Mr. Krishna Ghode, Member, Assistant Professor in Mathematics (Members) • Mr. Rakesh Bhoir, Member, Assistant Professor in Economics (Members) The student coordinators are as follows: • Mr. Akash Dudhkar, F.Y.B.A. (Student Member) • Ms. Ritika Sonar, F.Y.B.Com. (Student Member) Six sensitization programs have been conducted to help learners understand the value of their vote, comprehend its significance in the functioning of our democracy, and empower them to share this awareness with their fellow citizens.</p>
<p>3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.</p>	<p>ELC conducted the following awareness activities: 1. Street plays 2. Competitions (Rangoli, Poster, Essay, Debate) 3. Awareness Rallies</p>
<p>4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.</p>	<p>The club has been creating awareness through following initiatives- 1. Organized a campaign in college to facilitate voter registration for its eligible members to register. 2. The NSS Unit celebrates year The National Voters Day, on 25 January, to encourage young voters to take part in the Electoral Process. 3. An online special registration drive for Junior and Degree College students to motivate their peers to register was conducted. 4. Conducted an Intercollegiate Rangoli, Debates and Essay Competition to spread information on the electoral process and subjects related to Voter Awareness.</p>

5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.

The club organizes Orientation Program for undergraduate students. During these sessions, students are informed about the procedures for obtaining voter identification cards. Those in need of guidance and assistance in this matter are supported through the assistance of student leaders and staff coordinators. The process is closely monitored to ensure that all eligible students receive their voter identity cards. In addition to the ELC, the college conducts awareness programs. These programs are designed to encourage students to actively participate in the Electoral Process and cast their votes in a responsible and socially aware. ELC club also conducted an awareness program for students under 18 years.

## Extended Profile

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### 1 Students

#### 1.1

##### Number of students on rolls year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
8624	8205	7422	6952	6466
File Description		Document		
Provide Links for any other relevant document		<a href="#">View Document</a>		
Institutional data in the prescribed format (data		<a href="#">View Document</a>		

#### 1.2

##### Number of final year outgoing students year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
2616	2638	2441	2267	1883
File Description		Document		
Provide Links for any other relevant document		<a href="#">View Document</a>		
Institutional data in the prescribed format (data		<a href="#">View Document</a>		

### 2 Teachers

#### 2.1

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

2022-23	2021-22	2020-21	2019-20	2018-19
103	89	91	94	91
File Description		Document		
Provide Links for any other relevant document		<a href="#">View Document</a>		
Institutional data in the prescribed format		<a href="#">View Document</a>		
Certified list of full time teachers		<a href="#">View Document</a>		

## 2.2

**Total number of full time teachers worked/working in the institution (without repeat count) during last five years:**

**Response: 117**

File Description	Document
Provide Links for any other relevant document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 3 Institution

## 3.1

**Total expenditure excluding salary year wise during the last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
1571.25	1831.43	1186.60	1788.86	932.46
File Description		Document		
Provide Links for any other relevant document		<a href="#">View Document</a>		
Other Upload Files				
1		<a href="#">View Document</a>		

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curriculum Design and Development

##### 1.1.1

**Curricula developed and implemented have relevance to the local, regional, national, and global developmental needs, which is reflected in the Programme outcomes (POs) and Course Outcomes(COs) of the Programmes offered by the institution**

##### **Response:**

The College aims to provide holistic education(need-based, skill-based, value-based, experiential learning) ensuring attainment. The curriculum designed and developed considers the market needs at LRNG levels. The curriculum reflects the spirit of ‘Vasudhaiva Kutumbakam’ with a focus on human values and the environment.

The College has been granted Autonomous status from 2018-19. Post Autonomy, the curriculum, is revised taking into consideration the **vision and mission of the college**, needs of the stakeholders and the graduate attributes. The College has introduced CBCS based on the Semester pattern. The credits are assigned as per the norms of NAD portal.

The college is located in Historic Port City, Kalyan(KDMC). It is surrounded by cities Ulhasnagar(UMC), Bhiwandi(BNCCMC), Thane(TMC), Vashi(NMMC) and 4 MIDC. The city is known as outer suburb of Mumbai, the financial capital of the country. Hence, the need to include History and Business in the curriculum. The college serves the diverse needs of learners from urban, rural, and social backgrounds, local languages and dialects, digital literacy and communication skills. Programmes/Courses like BAMMC, Business Economics, B.Voc.(MLT), ADMLT, etc. are designed to meet the local needs of Journalism, insights into the economy and social behaviour and clinical Pathology respectively.

Maharashtra state-a business Hub, promotes world heritage, tourism, agricultural, commercial and Industrial center. The college ensures to preserve the culture of Maharashtra and Mumbai, so has recently introduced various programmes/courses in BMED, Finance, Food Science and Nutraceuticals, Bioanalytical Science; Retail Management(in collaboration with Maruti Suzuki Ltd.), Tribal Art and Literature, ensuring the needs of the state with respect to Food, Business, Finance, Financial Markets etc.

The rapid growth of various sectors in the Nation necessitates the revision of new-age programmes. Different programmes are updated to align with the emerging trends and technologies, History and culture, National Economy and Geographical diversity, Covid 19 Pandemic impact and post-pandemic economic and political meltdown, Constitutional Philosophy and Ideals, Employability and Entrepreneurship, Human rights, Life skills and Disaster Management. This ensures the preparedness of the students in their chosen fields contributing the growth of these sectors. Programmes like

BBI,BAF,BFM fulfill the national needs with respect to the areas of banking, taxation, business, Finance, etc.

Fostering global needs, various courses like CS, IT, Environmental Sciences, Industrial Biotechnology, e-Commerce, AI and data science, BMS, cyber security and forensics, short-term certificate course in foreign languages have been introduced to meet the needs of business management, environmental sustainability, Artificial intelligence and data science respectively and mitigating cyber crimes.

The college has ensured implementation of OBE. The curriculum is designed considering LRNG needs and defines the specific outcomes for each program i.e. POs, PSOs, and COs. These outcomes serve as benchmarks to assess the knowledge, skills, and competencies of the students. The attainment of COs and POs is measured, and the results are obtained.

The designing of curriculum ensures to create the social, economic, financial, employability skills and business strategies, which has paved the way for raising the living standards of the local people, thus improving the regional economic scenario and progressive outlook of the nation and globe.

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

### 1.1.2

**The programmes offered by the institution focus on employability/ entrepreneurship/ skill development and their course syllabi are adequately revised to incorporate contemporary requirements**

#### **Response:**

The College has introduced several programmes as per market needs, focusing employability and entrepreneurship (in addition to traditional programmes). Curriculum development and revision is learner-centric which emphasizes on conceptual knowledge, project-based learning, financial literacy, psychological skills, practical skills, marketing skills, soft skills, OJT, etc. to enhance employability.

#### **Employability/ Entrepreneurship Oriented Programmes:**

The College has established linkages with industries and professionals to regularly contribute to curriculum design and revision. Employability has been the key aspect of programmes, which equip students with the necessary practical skills and knowledge. This collaboration assures that the courses/programmes offered are reflective of current industry standards and practices. Traditional and new age programmes at UG and PG level ensuring the enhancement of employability and entrepreneurship skills are:

1. In addition to traditional programmes, integrated 5 years M.Sc. in Biotechnology, M.Sc. Biotechnology(Industrial Biotechnology)/ Microbiology(Industrial Microbiology)/ Chemistry(Analytical Chemistry)/ Food Science and Nutraceuticals, etc.
2. MSc Data Science and Bigdata Analytics in association with L&T Edutech
3. M.Sc Artificial Intelligence in association with TCS-iON, and L&T Edutech and others.
4. BMS (Retail Management) in association with Maruti Suzuki India Ltd.
5. KLiC Courses in collaboration with MKCL
6. B Sc (Hons.) Integrative Nutrition & Dietetics , Interior Design ; BMS (Hons.) Sports Management , Event Management & PR (Hons.) in association with NEST Academy
7. B. Voc.
  1. Business Management & Entrepreneurial Development in association with MEPSC (Management & Entrepreneurship Professional Skill Council)
  2. Financial Market and Trading Operations in association with BFSI Sector Skill Council of India
  3. Cyber Security and Forensics in association with ITes SSC NASSCOM (National Association of Software and Service Companies)
  4. Medical Laboratory Technology with Health Sector Skill Council - IRIS

The autonomy has provided the freedom to hone the students' employability skills and to evolve the course contents as per the contemporary industry requirements. Additionally, the programmes also emphasize on entrepreneurship skills through introduction of courses/modules encouraging students to develop innovative ideas and prepare them to launch their start-ups or ventures. The College has taken several initiatives beyond academics to provide hands-on experience and practical exposure in related fields.

TPO organises workshops, Guest Lectures and arranges Internships, On-Campus recruitment drives, PDP Sessions, Job Fairs, Alumni Sessions and training programmes for the students to enhance their employability skills.

The Entrepreneurship Cell and Skill Hub has been digitally inaugurated by Hon'ble Prime Minister Shri. Narendra Modiji has been established under the RUSA grant sanctioned by Ministry of Human Resource Development Department of Higher Education, Government of India. Sessions are organized to enhance entrepreneurial skills. Seed money is also provided to the students with new ideas for startups.

The curriculum of all the programmes/ courses is reviewed and revised periodically, based on the feedback received. Board of Studies comprises Academic and Industry experts. The syllabus is reviewed and updated considering the latest market needs and industry requirements. This includes involving new technologies, emerging theories, projects, and practical applications that are key for students to succeed in their chosen fields. E.g. During the pandemic epidemiology of SARS-Cov2 was included in the curriculum.

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

## 1.2 Academic Flexibility

<p><b>1.2.1</b></p> <p><b>Percentage of new courses introduced out of the total number of courses across all programmes offered during the last five years</b></p> <p><b>Response: 34</b></p>	
<p><b>1.2.1.1 Number of new courses introduced during the last five years:</b></p> <p>Response: 625</p>	
<p><b>1.2.1.2 Consolidated number of courses offered by the institution across all Programmes (without repeat count) during the last five years :</b></p> <p>Response: 1838</p>	
File Description	Document
Subsequent Academic Council meeting extracts endorsing the decision of BOS	<a href="#">View Document</a>
Minutes of Board of Studies meeting clearly specifying the syllabus approval of new courses	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 1.3 Curriculum Enrichment

<p><b>1.3.1</b></p> <p><b>Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability and other value framework enshrined in Sustainable Development Goals and National Education Policy – 2020 into the Curriculum</b></p> <p><b>Response:</b></p> <p>In addition to the core courses, the curricula of various programmes are designed and developed</p>
--

meticulously with a focus on sensitizing professional ethics and values, gender equity, UNSDG's. All four Q's of individuals are instilled in the students through the curriculum, which enables them to thrive in a diverse and dynamic world.

- **Professional Ethics**

The college is the bridge between academia and industry and so it places emphasis on instilling professional ethics in the curriculum. Courses like BMS, BBI, B.Com., BVOC (cyber security and forensics) and BFM have professional ethics module/subject.

Research ethics and IPR core course is incorporated in the syllabus of M.Sc.(Microbiology, Biotechnology, Bioanalytical Sciences, Botany and Zoology) inculcating the research ethics amongst the students.

- **Gender Equity**

The college makes conscious efforts to integrate cross-cutting issues of gender equity at the UG Level, programmes like political science, philosophy, economics, history, geography have gender equity integrated into their curriculum. The college believes in sustaining a gender-neutral environment(through WDC and WSC) on diversity and inclusion, this fosters a culture of respect and acceptance promoting equality.

- **Human Values:**

The College develops curriculum integrating human values through courses on Indian Constitution, Foundation Course and Ethics in Philosophy. A Core Course of Moral Philosophy, in the Dept. of Philosophy adds to the ethical and moral values amongst the students.

The Foundation Course paper at UG Level provides students with basic knowledge on human values like truth, non-violence and tolerance. A strong ethos of political, constitutional, economic, social and cultural values is laid down in the papers like Indian political thought, political values & ideologies, and social & political philosophy.

- **Environment and Sustainability:**

The UNSDG's are the fundamentals of environmental consciousness and mitigation of Climate Change with development. The ethos of these goals are integrated into the Curriculum of various programmes.

- M.Sc.(Environmental Science) emphasize on natural resources-its conservation, impact of environment pollution, climate change, clean energy etc.

- Applied course in Environmental studies is offered in B.Sc (Microbiology, Botany, Biotechnology and Zoology).
- The sustainable development goals are incorporated in courses of M.Sc.(Microbiology, Botany, Biotechnology, Bioanalytical Sciences, Chemistry and Zoology) and commerce and management.

**Additional Initiatives:**

Other initiatives taken by the college to instill values amongst the students include preserving environment, honesty, integrity, humanity, humility, simplicity by organizing activities like nature walks, eco-friendly Ganapati festival, solid waste management, etc. For creating values of social-cultural responsibility, the college has centers like GSC, ASC, NCC, and NSS. Programmes and activities like blood donation camps, Puneet Sagar Abhiyan, etc. are organized under these centers.

Under NEP-2020 implementation, core courses on continental ethics and classical Indian way of life, mindfulness in philosophy, vocational course on environmental ethics and Post-Pandemic Ethics are proposed for the development of spiritual and moral fortification of the students.

Inculcation of human values in students shapes their personality by making them socially responsible and good citizens by nurturing academic excellence, development of ethical and moral values. It encourages them to actively engage in community, understand societal issues, and participate in creating a harmonious and inclusive society.

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

**1.3.2**

**Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms (without repeat count) where the students of the institution have enrolled and successfully completed during the last five years.**

**Response: 80**

<b>File Description</b>	<b>Document</b>
List of students and the attendance sheet for the above mentioned programs	<a href="#">View Document</a>
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Evidence of course completion, like course completion certificate etc	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**1.3.3**

**Percentage of programmes that have components of field projects / research projects / internships during the last five years.**

**Response:** 86.27

**1.3.3.1 Total Number of programmes that have components of field projects / research projects / internships (without repeat count) during the last five years**

**Response:** 44

**1.3.3.2 Total Number of programmes offered (without repeat count) during the last five years**

**Response:** 51

File Description	Document
Sample Internship completion letter provided by host institutions	<a href="#">View Document</a>
Sample Evaluated project report/field work report submitted by the students	<a href="#">View Document</a>
Provide the relevant information in institutional website as part of public disclosure	<a href="#">View Document</a>
Program and course contents having element of field projects / research projects / internships as approved by BOS	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 1.4 Feedback System

### 1.4.1

**Structured feedback for curriculum and its transaction is regularly obtained from stakeholders like Students, Teachers, Employers, Alumni, Academic peers etc., and Feedback processes of the institution may be classified as follows:**

**Response:** A. Feedback collected, analysed, action taken & communicated to the relevant bodies and feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	<a href="#">View Document</a>
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	<a href="#">View Document</a>
Action taken report on the feedback analysis	<a href="#">View Document</a>
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1

##### Enrolment percentage

**Response:** 85.68

##### 2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2022-23	2021-22	2020-21	2019-20	2018-19
3529	3388	2898	2792	2616

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

2022-23	2021-22	2020-21	2019-20	2018-19
4249	4123	3304	3192	2899

#### File Description

#### Document

Provide the relevant information in institutional website as part of public disclosure

[View Document](#)

Institutional data in the prescribed format (data template)

[View Document](#)

Final admission list as published by the HEI and endorsed by the competent authority

[View Document](#)

Document relating to sanction of intake as approved by competent authority

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

#### 2.1.2

##### Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

**Response:** 86.09

**2.1.2.1 Number of actual students admitted from the reserved categories in the first year of the programme year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
2189	2100	1802	1740	1620

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

2022-23	2021-22	2020-21	2019-20	2018-19
2607	2556	2046	1975	1794

<b>File Description</b>	<b>Document</b>
Provide the relevant information in institutional website as part of public disclosure	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	<a href="#">View Document</a>
Copy of the letter issued by the State govt. or Central Government Indicating the reserved categories(SC, ST, OBC, Divyangjan, etc.) to be considered as per the state rule (Translated copy in English to be provided as applicable)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any	<a href="#">View Document</a>

**2.2 Catering to Student Diversity****2.2.1**

**The institution assesses the learning levels of the students and organises special Programmes to cater to differential learning needs of the student**

**Response:**

Institution admits students from diverse background(linguistic, economic, social, cultural, etc.). College

offers equitable learning opportunities to meet the needs of students.

Awareness amongst the students is created for curricular, co-curricular, and extra-curricular activities, library facilities, examination pattern, etc. through Orientation Programme, Website, Helpdesk, introductory lectures, Classrooms in Microsoft-Teams, etc. for their holistic development. Departments, conduct Bridge course in inter-disciplinary programs.

Mentors observe the learning skills through previous exam result, class participations, question answer sessions, personal interaction, etc. to evaluate and identify the slow, medium, and advanced learning needs. Students with special needs are provided special attention. Information about the students' capacities of each class is made available to all teachers of respective classes. Teachers adapt their teaching methodologies depending on the receptive abilities of the learners to improve their learning skills, knowledge levels, communication, abstract and analytical thinking, problem solving, teamwork and leadership skills. Additional guidance is provided using simple and/or regional language with relatable examples beyond regular teaching schedule. Lectures at times are explained in English and Marathi, so this caters the needs of students from vernacular medium.

Parents-Teachers' meetings are organised periodically to understand the difficulties of learners and communicate their progress. Faculty members explain the process of assessment and quality enhancement initiatives to be undertaken.

Mentors resolve learning challenges and/or needs of mentees to develop their confidence and self-esteem.

### ***Specially Abled Learners***

Appropriate pedagogy and facilities are made available to the learner to help them overcome learning challenges.

### ***Slow Learners***

Remedial coaching is provided to the students by mentors and peer groups(beyond regular teaching hours) to improve their learning and grades. Strategies include positive reinforcement, individualized education plan, technology-based resources, support programs, writing practice, tests, etc to enhance their academic performance.

### ***Medium learners***

Medium learners are engaged in classroom discussions which benefit in learning experience. Students are encouraged to make presentations using posters and/or PowerPoint; skits/ role-play, etc. List of reference books, Weblinks and online references are provided to learners for additional reading.

### ***Advanced Learners***

Advanced learners require challenging experience and are encouraged to do additional reference from reference books and research papers. Students are provided books as per their choice. It helps to enhance their critical thinking skills and higher-level competence with multidisciplinary approach to a subject. They also participate in peer learning sessions as 'Teaching is the best form of Learning'.

Intensive coaching is for meritorious students. Intensive coaching strategies include additional reading including e-resource(reference materials, research articles, etc), special guidance lectures, unit tests, preliminary examinations, etc.

Participation in Seminars, Workshops, Inter-collegiate competitions, etc. sharpen the soft skills and provides them an opportunity to read more about their subject and explore recent trends.

Students pursuing professional career(CA/CS, etc.) are allotted a separate division to provide extra learning to harness their full potential.

### Additional Initiatives

- Online Courses from NPTEL/SWAYAM/MKCL, etc., as per their interests.
- Book bank facility and extended library hours.
- Career guidance and training sessions
- 'Theorem A Month'-Lectures by eminent faculty from IITs, TIFR and UoM
- Personal Counselling sessions by Mentors, Counsellors and MPower Cell, contributing to academic prowess.

Thus, by adopting the multi-pronged comprehensive student- centric approach, College caters to differential learning needs for enhanced cognitive abilities. It has resulted in overall effective learning and improved academic performance.

File Description	Document
Upload Any additional information	<a href="#">View Document</a>
Provide link for additional information	<a href="#">View Document</a>

### 2.2.2

**Student - Full time teacher ratio (Data for the latest completed academic year)**

**Response:** 83.73

File Description	Document
List showing the number of students in each of the programs for the latest completed academic year across all semesters	<a href="#">View Document</a>
Certified list of full time teachers along with the departmental affiliation in the latest completed academic year.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 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 experience and teachers use ICT- enabled tools including online resources for effective teaching and learning process**

#### **Response:**

The College has introduced several reforms in Teaching-Learning and Evaluation process. In addition to the conventional approach, a variety of cutting-edge teaching strategies are being used for effective learning.

#### ***Experiential Learning***

Experiential Learning is the fundamental educational approach. Practical experiences complement traditional classroom learning and thereby enable students to connect theoretical aspects and knowledge gained in the classroom with the real-world situations.

Experiential learning is achieved through:

- Practical Sessions
- ICT tools such as multimedia interactive simulations.
- Research Projects, assignments, etc.
- Intra and Inter-Collegiate Competitions, etc.
- Internships/ On-job training
- Virtual Lab Sessions
- Field work, Field Surveys, and Industrial Visits
- Academic Fests
- Storytelling and Creativity game

#### ***Participative Learning***

Participative learning, another pedagogical approach is used to deliver the curriculum more effectively.

- Question and Answer
- Brainstorming and Group discussions
- Simulation learning
- Game Based Learning and Quiz
- Flipped Classroom
- Creative Writing in Magazines and Newsletters
- Mentoring Activity for Skill Training (MAST)
- Poster and PPT Presentations
- Committees and cell activities
- Organizing events

### ***Problem-Solving***

The analytical and critical thinking skills of students are honed through problem-solving exercises in regular lectures, practical, projects, assignments, etc. The workbooks/ problem sheets/ journals are provided for several courses across all faculties.

- Case Studies
- Research Paper Publications
- ‘Discovery’ learning
- Solving riddles
- Inquiry based learning.
- ‘5W1H’ activities
- Guided practice- ‘I do, We do, you do’

### ***Continual Improvement***

The effectiveness of the learning activities is regularly evaluated to ensure they meet learning objectives. Quality implementation strategies include improvement of processes, institutional effectiveness, assessing graduate attributes, preparation for accreditation, etc. For successful implementation the college adopts ‘Plan-do-check-act’ model.

The college continuously explores new and innovative pedagogical methods through periodic faculty trainings/ workshops to stay abreast with best educational practices.

Teachers make efforts to inculcate values imbibed in our constitution through their course teaching.

### ***Skill Enhancement***

The College has introduced several new age programs at UG, PG, Diploma, and Certificate courses (with additional credits) to enhance abilities, skills and knowledge.

The students are also encouraged to take additional courses like SWAYAM- NPTEL, MOOCs, MKCL through the online learning modes to earn additional credits.

Learners are encouraged and appreciated for collating contemporary, relevant and current research

knowledge apart from textual or reference book information.

### ***ICT enabled Teaching Learning***

IT enabled teaching aids like Microsoft Office Tools, Tally, GST, Turbo C, Python, MYSQL, MS SQL Server, Visual Basic and MS Teams Tools are used by the departments for effective curriculum delivery. The College uses LMS software for recording the attendance, transfer of knowledge materials and conducting various tests to evaluate the students. E-learning resources like e-books, educational videos, INFLIBNET, N-List facilities, etc are made available to the students by the library. The collaboration with NSDC, BFSI, etc. are important offerings to the students to enhance their teaching and updated with the recent trends.

The College lays emphasis on providing with real-world experiences, for impactful learning and future readiness. This reflects the commitment of the college to offer holistic educational experience in the quest for excellence.

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

### **2.3.2**

#### **The institution adopts effective Mentor-Mentee Schemes to address academics and student-psychological issues**

#### **Response:**

#### **Mentor Mentee System**

The aspirations of the students are fulfilled by using a Mentor-Mentee System. It helps students to improve their learning abilities and disposition to enhance their academic performance.

Mentors are allotted appropriate number of Mentees by the Vice Principal/HoD. The College has also appointed Research cum Teacher Assistant to strengthen teaching learning process. Mentors identify the specific needs of the mentees.

The college offers training programs for capacity building, leadership development etc. to achieve the desired goals of the mentor-mentee system, Students are also provided training sessions for:

- Improving listening skills
- Effective communication skills
- Building trust, confidence, and respect
- Goal setting and perseverance
- Developing capabilities

- Providing corrective feedback, etc.

Mentoring process strengthens the:

- Concentration and Focus
- Logical thinking
- Problem-solving, Practical, Life skills Linguistic and other soft skills
- Handling problematic situations
- Decision-making abilities.
- Confidence building
- Holistic Development

Mentoring process includes:

- Personal and group counseling
- Coordinating with course teachers regarding learning difficulties.
- Encouraging participation in Co-Curricular and Extra-Curricular Activities.
- Career guidance through skill development
- Providing information regarding opportunities for higher education.
- Enrolling students in Placement Cell
- Motivational interactions to reiterate Positive Thinking
- Guidance for Stress Management
- Awareness about refraining from vile habits.

### **Responsibilities of Mentors**

1. Provide a secure environment and observe proper decorum.
2. Maintain confidentiality, wherever necessary.
3. Maintain records.
4. Refer to specialized counseling, if necessary.

### **Peer Mentoring**

Peer mentoring is also encouraged, wherein student(s) provide emotional and academic support to their peers. This creates a better camaraderie amongst the peers.

In certain issues, student may be more comfortable sharing with peers. The peer mentors are expected to report such issues to the teacher mentors, if needed.

The strategies used for P2P learning in the college focus on:

- Knowledge sharing
- Strengthening campus culture.
- Supporting student development
- Career and Confidence building

### **Outcomes of mentoring**

Mentees regain confidence, maintain better inter-personal relationships, remain away from any kind of addictions, and perform better in academics and career progression.

The mentoring strategies helps:

- developing life skills
- enhancing resilience skills.
- cultivating connectedness
- improving academic results, etc.

***Addressing psychological needs***

College has a Counselling Cell, to provide personal counselling and catering to the academic and psychological needs of the students. It has been organising workshop on pre-marriage counselling, psychometric test, etc. where several mentees have been benefited.

Mentors address the psychological needs of the mentees through Mpower Cell. It has been established realizing the importance and need for Mental Healthcare Solutions. It works on different ground realities faced by the individuals to break the stigma attached to mental health and provide interventions to resolve the issues. There are two full time counsellors and a consulting psychiatrists on campus. the cell has catered to the needs of 300+ students, faculties and their families since establishment

The College adopts a mentoring mechanism keeping in mind all-round development of mentees and tries to resolve the academic and socio-psychological challenges faced by them. This has been an effective strategy in motivating the mentees to overcome their difficulties and excel in life.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
List of Active mentors	<a href="#">View Document</a>
Provide Link for Additional Information	<a href="#">View Document</a>

**2.3.3**

***Preparation and adherence of Academic Calendar and Teaching plans by the institution***

**Describe the Preparation and adherence to Academic Calendar and Teaching plans by the institution.**

**Response:**

**Academic Calendar**

The Academic Calendar ensures systematic execution and well-functioning of the College.

An Annual Academic Calendar is prepared by a committee comprising of Principal, Vice Principals, IQAC, Controller of Examinations and Heads. The Committee takes inputs from the various stakeholders regarding academic activities including seminars, webinars, workshops, exhibitions, examination schedule etc. to be organised and incorporates the same into the Academic Calendar. The Committee ensures that each semester has 90 instructional days. besides the days like Annual festival, National festivals, commemorations, and public holidays.

The Board of Examination prepares the examination schedule, which includes tentative commencement dates for internal and semester-end examination, publishing of the timetable, hall tickets and results on the College Website.

The schedule for Faculty Induction, Student Orientation Program and Parent-Teacher meetings, etc are also mentioned in the Academic Calendar. The IQAC conducts Faculty Induction and Student Orientation program at the beginning of academic year. The departments conduct the Parent-Teacher meetings as per the schedule and give report to respective Vice-Principals.

The departmental activities/ co-curricular and extra- curricular activities are expected to be carried out as mentioned in the Academic calendar and report of the same is submitted to the Principal. The reports are also published in Newsletters and College Magazine.

The adherence to the academic calendar optimizes functional efficiency in academics and also cultivates a positive environment that benefits all the stakeholders.

### **Teaching Plan**

The college offers a well-structured syllabus and a clear timeframe. The number of teaching hours needed to complete all courses are explicitly stated in the curriculum. The curriculum is shared with the students at the time of commencement of the course and also displayed on the Website.

The HoDs prepare the timetable as per schedule, allocate courses to be taught and the related tasks to be completed to the faculty members and oversee its adherence. The Departmental colleagues along with the Head meticulously prepare the weekly, monthly and semester wise teaching plan as per the timetable.

The HoDs take feedback from the staff as well as students regarding the completion of syllabus. Additional guidance and contingency planning is done to accommodate and resolve probable difficulties if any.

The College has provided academic diaries for the faculty members, before pandemic, to maintain the record of timetable, lesson plan, daily lectures, etc. During the Covid-19 pandemic the physical diary was replaced with a Microsoft form, wherein daily online teaching activities were recorded. Post Pandemic, the college Annual Diaries and mobile app are provided to the faculty members to maintain the record.

The college has migrated to Microsoft ERP from 2022-23. The faculty members are required to submit syllabus completion report to the Controller, Board of Examination before the commencement of examination.

Academic Calendar and Teaching plan has helped the departments to execute the various academic activities (curricular, co-curricular, extracurricular, examination, etc.) systematically achieving its goals.

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

## 2.4 Teacher Profile and Quality

### 2.4.1

**Average percentage of full time teachers appointed against the number of sanctioned posts year wise during the last five years**

**Response:** 99

#### 2.4.1.1 Number of sanctioned posts year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
104	90	91	94	91

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts).	<a href="#">View Document</a>
Provide the relevant information in institutional website as part of public disclosure	<a href="#">View Document</a>
Institutional data in the prescribed format (data template merged with 2.4.3 and 2.4.4)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 2.4.2

**Percentage of full time teachers with Ph.D./D.Sc. / D.Litt./ L.L.D during the last five years**

**Response:** 51.28

**2.4.2.1 Number of full time teachers with *Ph.D./D.Sc. / D.Litt./ L.L.D* during the last five years**

Response: 60

File Description	Document
List of faculty having Ph.D./D.Sc. / D.Litt./ L.L.D along with particulars of the degree awarding university, subject and the year of award per academic year.	<a href="#">View Document</a>
Institutional data in the prescribed format (data template merged with 3.2.3 and 3.4.2)	<a href="#">View Document</a>
Copies of Ph.D./D.Sc. / D.Litt./ L.L.D awarded by UGC recognized universities	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**2.4.3**

**Average teaching experience of full time teachers (Data to be provided only for the latest completed academic year, in number of years)**

**Response:** 15.39

**2.4.3.1 Total teaching experience of full-time teachers as of latest completed academic year**

Response: 1585

File Description	Document
Institutional data in the prescribed format (data template merged with 2.4.1 and 2.4.4)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**2.4.4**

**Percentage of full time teachers working in the institution throughout during the last five years**

**Response:** 85.71

**2.4.4.1 Number of full time teachers worked in the institution throughout during the last five years:**

Response: 78

File Description	Document
Institutional data in the prescribed format (data template merged with 2.4.1 and 2.4.3)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

### 2.5.1

**Average number of days from the date of last semester-end/ year- end examination till the last date of declaration of results during the last five years**

Response: 16

*2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years*

2022-23	2021-22	2020-21	2019-20	2018-19
18	25	09	05	23

File Description	Document
Result Sheet with date of publication	<a href="#">View Document</a>
Policy document on Declaration of results (if any)	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Exam timetable released by the Controller of Examination	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 2.5.2

**Percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years**

Response: 0.36

**2.5.2.1 Number of complaints/grievances about evaluation year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
34	0	1	6	56

**2.5.2.2 Number of students appeared in the examination conducted by the institution year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
6270	5999	5251	5185	4466

File Description	Document
List of students who have applied for re-valuation/re-totaling program wise certified by the Controller of Examinations year-wise for the assessment period.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**2.5.3**

**IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA)/Formative Assessment have brought in considerable improvement in Examination Management System (EMS) of the Institution**

**Describe the examination reforms with reference to the following within a minimum of 500 words**

- **Examination procedures**
- **Processes integrating IT**
- **Continuous internal assessment system**

**Response:**

The College has integrated Information Technology in the evaluation process to increase the efficiency, transparency, and accessibility with the use of various software. The Manual for Examination Management System prepared after the grant of Autonomy aids in the effective conduct of examinations which is as per the guidelines provided by UGC and University of Mumbai. RESO software provided support and integration of data from 2010-11 up to 2021-22 which has been replaced by Cloud Based Mastersoft ERP having a module for all exam related work, from the Academic Year 2022-23. The earlier software is still continued to fetch data of previous academic years.

Various reforms have been introduced in the examination process over the years. These reforms in Continuous Internal Assessment and Formative Assessment have contributed positively to improve the performance and analyse the progress of the ward on a continual basis. The reforms introduced in the examination process are enlisted below:

- 1.Examinations are conducted and monitored centrally across all the departments to maintain uniformity and fairness.
- 2.Subject Teacher allotment for formative and summative assessments, is carried out through ERP.
- 3.Since the pandemic, Internal Examinations have been conducted using Microsoft Forms, Microsoft Teams, and Google Form.
- 4.The Interactive Teaching-Learning Environment makes use of modern technologies and helps in transfer of marks earned by a student for his projects, assignments, presentations, field works, and case studies interpretations etc.
- 5.The Internal Examination Marksheet is uploaded to the ERP system by the faculty members which helps the BoE to finalize the result.
- 6.The college has administered semester end examinations online with proctoring to enable a smooth transition from offline to online, during the Pandemic using QURIO App.
- 7.The entire process for the conduct of semester end examination from enrollment of students, preparation of timetable, assigning seat numbers, generating hall tickets, drafting Attendance and Supervisor’s signature sheets to declaration of results, etc. is done using cloud based Mastersoft ERP software.
- 8.Students download their hall tickets and provisional marksheets through the ERP system after notification on website and Student Diary app.
- 9.Examination results are declared within 30 days since the last exam and marksheets are distributed to students accordingly.
- 10.The software also helps in procuring the data of students who are not successful in examinations.
- 11.The use of Mastersoft enables online Registration and payment of fees for regular and backlog examinations.
- 12.Post Examination the data of eligible students is forwarded to the administrative office for processing their admissions for the next semester.
- 13.Mastersoft Cloud-based ERP, leveraging Azure Cloud Services ensures 100% data security against theft, loss, or damage.
- 14.The Consolidated Mark Statement has 15 security features, like UV Red Neon Effect Invisible Ink Printing, UV Green Neon Effect Invisible Ink Printing, Gold Foil- Hot Stamping, Micro Line, Water Mark, Copy Hidden Word Security Border Design, Bar Code.

*IT integration and reforms in the examination procedures* helped the college towards a hassle free, eco-friendly conduct of examinations and timely declaration of results leading to overall improved efficiency.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide links as Additional Information	<a href="#">View Document</a>

## 2.6 Student Performance and Learning Outcomes

**2.6.1**

**The institution has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same are evaluated by the institution**

**Response:**

The institution is committed to impart outcome-based learning as per the UGC guidelines across all programmes and has established a comprehensive framework for stating and evaluating learning outcomes encompassing POs, PSOs and COs as well as defining graduate attributes.

***Defining learning outcomes***

The College has been conferred autonomous status from the A.Y. 2018-19. Post autonomy, a rigorous exercise was carried out to redesign the curriculum in all subjects to include the learning objectives for all the programmes, with a focus on graduate attributes.

The Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcome (COs) are formulated for each programme/ course at every semester to define the expected learning outcomes and graduate attributes that the learner is expected to attain after completing the programmes and becoming eligible to get a degree in the said programme.

For designing of new age programmes/courses, guidance from experts from industries/institutions has been taken. The draft syllabi are presented before Board of Studies for consideration/ deliberations. The recommendations of the same are placed in Academic Council, Governing Body and Governing Council for final approval. The suggestions if any are incorporated at appropriate places

**Integration in teaching-learning and assessment**

Several workshops and training sessions have been organised by inviting experts, to make the faculty members conversant with the process of integrating learning outcomes with teaching learning and evaluation. Various other assessment tools such as projects, assignments, presentations, case studies, in addition to theory and practical examinations are employed. This ensures that the learning outcomes are notably integrated in the assessment method.

**Publicizing the learning outcomes**

The curriculum, along with the integrated learning objectives, POs, PSOs, and COs, are made available to all stakeholders through the College website and other digital platforms. The same are communicated to students during lectures and parent-teacher meetings, ensuring transparency.

**Short term courses/ Add on Certificate Courses**

Institution offers several Add on/ Certificate Courses/ Short Term Courses to the students which is evaluated by the institution. The students knowledge and skills against the course outcomes are evaluated throughout the year.

### Evaluating the attainment of learning outcomes

The process of mapping the POs against the COs has been undertaken meticulously. The attainment levels have been defined at a set target. The CO attainment is based on semester end examination and internal assessment.

The curriculum of all the programmes/ courses are reviewed and revised periodically, based on the feedback received.

Corrective measures in the form of remedial coaching, Progression of students for Higher Education along with placement are indicators ensuring the fulfillment of learning outcomes.

This approach fosters a culture of continuous improvement, transparency, and accountability in the pursuit of academic excellence and ensures that the teaching-learning process is aligned with the expectations of higher education and industry standards.

File Description	Document
Upload POs and COs for all courses (exemplars from Glossary)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Provide links as Additional Information	<a href="#">View Document</a>

#### 2.6.2

**Pass percentage of students (excluding backlog students) (Data for the latest completed academic year)**

**Response:** 100

**2.6.2.1 Total number of final year students who passed the examination conducted by Institution during the latest completed academic year:**

**Response:** 2616

File Description	Document
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Certified report from the COE indicating the pass percentage of students of the final year (final semester) eligible for the degree program-wise / year wise	<a href="#">View Document</a>
Annual report of Controller of Examinations ( COE) highlighting the pass percentage of final year students	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 2.7 Student Satisfaction Survey

### 2.7.1

**Online student satisfaction survey regarding teaching learning process**

**Response: 3.63**

## Criterion 3 - Research, Innovations and Extension

### 3.1 Promotion of Research and Facilities

#### 3.1.1

**The institution's research facilities are frequently updated and there are well defined policy for promotion of research which is uploaded on the institutional website and implemented**

**Response:**

Research has been an integral part of the teaching-learning process, especially experiential learning with research-based projects at UG and PG programs.

It inculcates the ability to observe, inquire scientifically, plan and analyze. The college has a research committee, which has defined a structured research policy. It outlines the research design to encompass research ethics, application, and society-oriented outcomes for social benefit, and regularly reviewed and uploaded on the college website to be implemented in all research processes.

The Research Committee has been encouraging the faculty members and students to pursue research, in the thrust areas with an interdisciplinary approach. The faculty members have been guided to apply for Major/Minor research projects funded by various agencies.

The college has 9 Ph.D. Research Centres (Botany, Biotechnology, Chemistry, Physics, Microbiology, Zoology, History, Hindi, and Economics) with 23 Research Guides (the guides of Marathi and Political Science have enrolled research scholars at the UoM Research Centre).

The Research facilities are frequently upgraded. Recently all Science departments have been shifted to the new building (55,000 sq. ft.), with a separate research laboratory, central instrumentation facility and computer lab for reference, data collection and analysis.

The Faculty of Arts and Commerce have been provided separate research workstations to facilitate better referencing, data collection and analysis.

The library has been frequently updated with resources like subscriptions to research journals/e-resources and Plagiarism software.

Financial grants have been sanctioned by DBT under the Star Status and Star College Scheme; UGC under College of Excellence Status; MHRDC under RUSA grant and consultancy projects sanctioned by DRDO, Century Rayon, Thinq Pharma, etc. Several sophisticated instruments purchased under these grants have led to quality research outcomes.

The management has proactively nourished the research culture by providing Seed Money for faculty research projects, paper publications/presentations in Seminars/Conferences/Workshops. The Management has sanctioned funds to each department of UG (Rs. 25,000/-) and PG (Rs. 35,000/-) for research and other activities.

Environmental Science laboratory has been NABL Accredited for wastewater analysis, which extends

consultancy services to the industry and research scholars.

Impact of Research facilities during the last five years:

- 23 students have been awarded Ph.D.
- 36 students are presently pursuing Ph.D.
- The faculty members have published -
  
- 485 research papers in Peer Reviewed and other listed National/International Journals.
- 251 research papers in UGC-Care listed Journals.
- 136 research papers in Scopus and WoS.
- Authored 284 books/chapters with ISBN number.
  
- 34 patents have been granted to our faculty of which 9 have been granted by the Government of Australia.
- 34 faculty members have received financial support of Rs. 1.48 Cr from various Government and Non-Government funding agencies.
- ‘Zonal Championship’ (2019-20 and 2022-23) at Aavishkar, Research Competition, University of Mumbai has been awarded to college.

Faculty and students have been participating in various National and International Research Conferences / Seminars.

Students Research Cell organizes Students Research Convention (R-Con) every year from 2016-17.

Thus, continual efforts of faculty and students management support, have been instrumental in providing impetus to the research culture.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide links as Additional Information	<a href="#">View Document</a>

### 3.1.2

**The institution provides seed money to its teachers for research**

**Response:** 25.11

**3.1.2.1 Amount of seed money provided by institution to its teachers for research year wise during last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
25.11	0	0	0	0

File Description	Document
Sanction letters of seed money to the teachers is mandatory	<a href="#">View Document</a>
List of faculty who have been provided with seed money for research along with the title of the project, duration and amount year-wise	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Audited Income-Expenditure statement highlighting the expenditure towards seed money endorsed by the Finance Officer	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 3.1.3

**Percentage of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the last five years**

**Response:** 0

**3.1.3.1 Number of teachers who received national/international fellowship /financial support by various agencies, for advanced studies / research; year-wise during the last five years**

File Description	Document
List of teachers who have received the awards along with nature of award, the awarding agency etc.	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
E-copies of the award letters of the teachers	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 3.2 Resource Mobilization for Research

**3.2.1**

**Total Grants research funding received by the institution and its faculties through Government and non-government sources such as industry, corporate houses, international bodies for research project, endowment research chairs during the last five years (INR in Lakhs)**

**Response:** 148.49

<b>File Description</b>	<b>Document</b>
List of Extramural funding received for research, Endowment Research Chairs received during the last five years along with the nature of award, the awarding agency and the amount	<a href="#">View Document</a>
Institutional data in the prescribed format (data template is merged with 3.2.2)	<a href="#">View Document</a>
Copies of the letters of award for research, endowments, Chairs sponsored by non-government sources	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**3.2.2**

**Number of research projects per teacher funded by government, non-government , industry, corporate houses, international bodies during the last five years**

**Response:** 0.28

**3.2.2.1 Number of research projects funded by government and non-government agencies during the last five years.**

**Response:** 33

<b>File Description</b>	<b>Document</b>
List of project titles with details of Principal Investigator, amount sanctioned and sanctioning agency etc	<a href="#">View Document</a>
Institutional data in the prescribed format (data template merged with 3.2.1)	<a href="#">View Document</a>
Copies of the grant award letters for research projects sponsored by government agencies	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**3.2.3**

**Percentage of teachers recognised as research guides as in the latest completed academic year**

**Response:** 22.33

**3.2.3.1 Number of teachers recognised as research guides as in the latest completed academic year:**

Response: 23

<b>File Description</b>	<b>Document</b>
Upload copies of the letter of the university recognizing faculty as research guides	<a href="#">View Document</a>
Institutional data in the prescribed format (data template merged with 2.4.2 and 3.4.2)	<a href="#">View Document</a>

### 3.3 Innovation Ecosystem

**3.3.1**

**Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident**

**Response:**

Extension activities help to sensitize the students towards social issues and holistic development.

College has a sanctioned strength of 380 NCC Cadets (Army Boys & Girls, Naval Boys & Girls, and Air Boys & Girls) with 6 ANOs and NSS (300 volunteers & 3 POs). UGC has sanctioned grant under plan X/XI for establishing GSC (2005-2013), ASC (2009-2013), and WSC & WDC (since 2013). Since then, it has continued the centres with management funds, to inculcate human values in all stakeholders. Students and society have been sensitized through several initiatives.

**1. Responsibility:**

Social and outreach activities to create awareness regarding UNSDGs are:

**1. Environmental Awareness and Sustainability-** ‘Dyandindi’ and ‘Vriksha Dindi’ are two value-based activities organised, in addition to Tree Plantation drive, Blood Donation Camp, Waste Plastic Collection Drive, etc. Stakeholders have been sensitized towards the need to develop and maintain a green campus. College has secured Envirocare Green Award 2023.

**2. Wellness-** Emphasis is laid on wellbeing of all stakeholders. Yoga and fitness sessions are organised. IYD is celebrated. In yoga, students excelled at the university level.

College has a sick room(First Aid) facility for stakeholders. A fulltime trained nurse is available. Century Rayon and Ayush hospital facility are made available.

The MPower Cell offers counselling/psychiatric services since inception(17th February 2021), to stakeholders at no cost. This facility under CSR of GRASIM has received appreciation. The services are being extended to selected schools and colleges in the vicinity.

This demonstrates a commitment to promoting physical and mental well-being among students and staff.

**1. Empathy:** Two of the centres in addition to other, disseminates human values:

- GSC organises
  
- Peace March
- Lectures on Gandhian thoughts for students and jail inmates along with the distribution of books
- ‘Bhajan Sandhya’, NYC (05-day residential camp with participants from Northeastern states, J&K, etc.)
  - ASC organises.
  
- Constitution Day Celebration (26th November),
- Lectures on Constitutional Rights and Duties, etc.

**1. Discipline:** NCC initiatives-Puneet Sagar Abhiyan, vaccination drive, blood donation camps, awareness and prevention of diseases, etc. are organized to contribute towards nation building.

College has won UoM Vice Chancellor’s Banner 12th time(2017-18) out of 20 as the best NCC Unit. 3 ANOs (Lt. Suvarna Jadhav(2021), Maj. Swapna Samel(2007) and Lt. Cdr. Harish Dubey(2010) and a cadet was awarded DG Commendation Card. The cadets participate in RDC, AINSC, AITSC, AIVSC, EBSB,BLC,ALC, etc. Cadets represented in YEP of NCC. 13 cadets have joined as commissioned officers. College has hosted ATC for NCC units.

**1. Social service:** NSS, Rotaract Club of BKBCCK, etc. organize activities like:

- Donation of study kit, Grocery, Diwali Sweets, etc.
- Various Community Services like Health & Voters Awareness, Cleanliness drives etc.
- College has received Rs. 50,000/- grant under ‘Unnat Bharat Abhiyan’(2020) of MHRD for adopting 5 villages.
- NSS volunteers selected for Avhan, adventure NIC and SRD.

Extension activities develop a sense of comradeship, sensitization towards environment, etc. amongst stakeholders. College was awarded 2nd(Country) and 1st(Maharashtra) by EW Magazine for ‘Extraordinary Contribution to Local Community’. Rotaract Club was awarded ‘3rd Best Club’ in RID3142(2021-22) with Acer, the highest award.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link for Any other additional information	<a href="#">View Document</a>

### 3.4 Research Publications and Awards

#### 3.4.1

**The Institution ensures implementation of its stated Code of Ethics for research.**

**The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following:**

- 1. Inclusion of research ethics in the research methodology course work**
- 2. Presence of institutional Ethics committee (Animal, Chemical, Bio-ethics etc.)**
- 3. Plagiarism check through software**
- 4. Research Advisory Committee**

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

File Description	Document
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Copy of the syllabus of the research methodology course work to indicate if research ethics is included	<a href="#">View Document</a>
Constitution of the ethics committee and its proceedings as approved by the appropriate body	<a href="#">View Document</a>
Constitution of research advisory committee and its proceedings as approved by the appropriate body.	<a href="#">View Document</a>
Bills of purchase of licensed plagiarism check software in the name of the HEI	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

#### 3.4.2

**Number of candidates registered for Ph.D per teacher during the last five years**

**Response:** 1.57

**3.4.2.1 Number of candidates registered for Ph.D during the last 5 years:**

Response: 36

File Description	Document
Ph.D. registration letters/Joining reports of candidates.	<a href="#">View Document</a>
Letter from the university indicating name of the Ph.D. student with title of the doctoral study and the name of the guide.	<a href="#">View Document</a>
Institutional data in the prescribed format (data template merged with 2.4.2 and 3.2.3)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**3.4.3**

**Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years**

**Response: 2.15**

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

Response: 251

File Description	Document
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>
Link re-directing to journal source-cite website in case of digital journals	<a href="#">View Document</a>
Link to the uploaded papers, the first page/full paper (with author and affiliation details) on the institutional website	<a href="#">View Document</a>
Links to the paper published in journals listed in UGC CARE list	<a href="#">View Document</a>

**3.4.4**

**Number of books and chapters in edited volumes published per teacher during the last five years**

**Response:** 2.43**3.4.4.1 Total Number of books and chapters in edited volumes published during the last five years**

Response: 284

<b>File Description</b>	<b>Document</b>
List of chapter/book along with the links redirecting to the source website	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**3.4.5****Bibliometrics of the publications during the last five years based on average Citation index in Scopus/ Web of Science****Response:** 3.27

<b>File Description</b>	<b>Document</b>
Bibliometrics of the publications during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.6*****Bibliometrics of the publications during the last five years based on Scopus/ Web of Science – h-index of the Institution*****Response:** 5.5

<b>File Description</b>	<b>Document</b>
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.5 Consultancy

#### 3.5.1

**Revenue generated from consultancy and corporate training during the last five years**

**Response:** 93.46

**3.5.1.1 Total Amount generated from consultancy and corporate training year wise during last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
27.25054	16.28748	2	29.22804	18.69716

File Description	Document
Letter from the corporate to whom training was imparted along with the fee paid.	<a href="#">View Document</a>
Letter from the beneficiary of the consultancy along with details of the consultancy fee	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
CA certified copy of statement of accounts as attested by head of the institution	<a href="#">View Document</a>
Audited statements of accounts indicating the revenue generated through corporate training/consultancy.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 3.6 Extension Activities

#### 3.6.1

**Outcomes of extension activities in the neighbourhood community in terms of impact and sensitizing the students to social issues and holistic development, and awards received if any during the last five years (Showcase at least four case studies to the peer team)**

**Describe the impact of extension activities in sensitising students to social issues and holistic development with four case studies within a maximum of 500 words**

**Response:**

Extension activities help to sensitize the students towards social issues and holistic development.

College has a sanctioned strength of 380 NCC Cadets(Army Boys & Girls, Naval Boys & Girls, and Air Boys & Girls) with 6 ANOs and NSS(300 volunteers & 3 POs). UGC has sanctioned grant under plan X/XI for establishing GSC(2005-2013), ASC(2009-2013), and WSC & WDC(since 2013). Since then, it has continued the centres with management funds, to inculcate human values in all stakeholders. Students and society have been sensitized through several initiatives.

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2. **Wellness-** Emphasis is laid on wellbeing of all stakeholders. Yoga and fitness sessions are organised. IYD is celebrated. In yoga, students excelled at the university level.

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This demonstrates a commitment to promoting physical and mental well-being among students and staff.

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  - Peace March
  - Lectures on Gandhian thoughts for students and jail inmates along with the distribution of books
  - ‘Bhajan Sandhya’, NYC (05-day residential camp with participants from Northeastern states, J&K, etc.)
    - ASC organises.
- Constitution Day Celebration (26th November),
- Lectures on Constitutional Rights and Duties, etc.

### 1. Discipline: NCC initiatives-Puneet Sagar Abhiyan, vaccination drive, blood donation camps, awareness and prevention of diseases, etc. are organized to contribute towards nation building.

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**1. Social service:** NSS, Rotaract Club of BKBCCK, etc. organize activities like:

- Donation of study kit, Grocery, Diwali Sweets, etc.
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- College has received Rs. 50,000/- grant under 'Unnat Bharat Abhiyan'(2020) of MHRD for adopting 5 villages.
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File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

**3.6.2**

**Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community year wise during the last five years**

**Response:** 245

**3.6.2.1 Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community year wise during the last five years.**

2022-23	2021-22	2020-21	2019-20	2018-19
47	51	40	51	56

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 3.7 Collaboration

#### 3.7.1

**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: 31**

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc	<a href="#">View Document</a>
List of year wise activities and exchange should be provided	<a href="#">View Document</a>
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

#### 4.1.1

**The Institution has adequate infrastructure and other facilities for**

- 1. teaching – learning, viz., classrooms, laboratories, computing equipment etc**
- 2. ICT – enabled facilities such as smart class, LMS etc.**
- 3. Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc.**

#### **Response:**

The College, in its enduring commitment to academic excellence and holistic development of students, has consistently prioritized the continual upgradation and expansion of its infrastructure for providing an enriched learning environment.

The College, situated in the prime location of Kalyan City, spans an impressive 20 acres (including BKPPS and BKBNC). The eco-friendly campus adorned with lush greenery encompasses seven buildings with a total built-up area of 1,89,565 sq.ft. This includes a new building (G+3 - 55,000 sq. ft), accommodating many science departments. The College has adequate infrastructure facilities such as classrooms, laboratories, a library, gymkhana, administrative offices, seminar halls, and other amenities.

#### **Teaching-Learning Facilities:**

The College has 72 well-designed, spacious and ventilated classrooms, equipped with essential lighting, ergonomic furniture and advanced teaching aids, ensuring a comfortable learning environment.

For practical learning, the college houses 53 well-equipped laboratories and a centralised instrumentation facility furnished with sophisticated instruments maintained under AMCs. Notably, the Environmental Science Laboratory is NABL accredited for wastewater analysis.

The computing facilities with high-speed internet connectivity and advanced computer systems foster an e-learning environment.

The library is automated and has an extensive array of books, journals and e-resources for remote and on-campus access.

#### **ICT-Enabled Facilities:**

The college has made notable strides in strengthening classroom technology with 34 smart classrooms equipped with interactive whiteboards, digital podiums, projectors, and advanced audio-visual systems. Other classrooms and laboratories are provided with LCD projectors and internet connectivity.

The College has dynamic website for disseminating information regarding programmes/courses, faculty, admissions, recruitment, examination, events, engagement, community building, visibility, achievements, etc.

The College has active social media presence on YouTube, Facebook, Instagram, and LinkedIn to extend outreach activities and showcase institutional achievements.

### **Cultural, Sports, and Wellness Facilities**

College has developed various facilities catering to the students' cultural, sports, and wellness needs.

An open-air central lawn with a covered stage, air-conditioned seminar hall and air-conditioned Training and Placement Centre with seating capacity of approximately 750+, 200+ and 100+ persons respectively are available for conducting Yoga sessions, cultural events, exhibitions, etc. In addition, there are several facilities for the conferences, workshops, meetings, etc.

The institution offers indoor and outdoor game facilities including a sprawling open ground [7,264 sq.m], a well-maintained badminton hall, dedicated spaces for various indoor games and a comprehensive air-conditioned gymnasium. Similar facilities are also made available at Century Rayon Club, Shahad and BKBPS to be used by our students, whenever required.

A medical room with a trained staff nurse, wheelchair and stretcher are available for any medical emergencies. In addition, sick beds are also available at five different locations.

The College has established the following additional facilities for the holistic development of the students.

- NCC and NSS Office
- Career Guidance and Placement Cell
- M-power Counselling Cell
- Entrepreneurship Cell and Skill Hub
- Rifle shooting simulator for training of NCC cadets
- Shooting Range with imported and Indian Arms (2 Pistols and 3 Rifles) under RUSA grant.
- Canteen
- Ramps and Assistive Technologies for Differently Abled Students
- Collaborative learning spaces, etc.

These facilities provide a cohesive teaching-learning environment for various activities fostering better educational experiences.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

**4.1.2**

**Percentage of expenditure excluding salary, for infrastructure development and augmentation year wise during the last five years**

**Response:** 14.92

**4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
355.38	152.45	90.91	282.95	208.89

<b>File Description</b>	<b>Document</b>
Institutional data in the prescribed format (data template is merged with 4.2.2 and 4.4.1)	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**4.2 Library as a Learning Resource****4.2.1**

**Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students**

**Response:**

In an era of information ubiquity, the College library transcends traditional bounds transforming into a Knowledge Resource Centre, epitomizing a dynamic knowledge ecosystem to support academic teaching, learning and research. The library has adequate ICT infrastructure for supporting an enriched, diversified, and accessible knowledge base.

Central Library, including departmental libraries has over 1,17,465 accessioned books(81,893 physically available after weeding), 1,130 audio-visual materials, 114+ periodicals, 30 eBook readers, and subscriptions to e-databases, allowing access to an enormous collection of e-books and e-journals. The library is automated and provides research services for plagiarism checking, printing and photocopying

services. Assistive technologies for Divyangjan and Book-bank scheme for students with special needs are made available.

### **Automation & Digital Integration through ILMS:**

Embracing the digital revolution, the library operations and services are automated through Libsys10, a cloud based ILMS, along with LSDiscovery services. It facilitates seamless integration with mobile technologies, allowing instant access to information resources remotely.

Additional digital infrastructure and facilities include:

- Audio-Visual Section with 22 computers, free internet access and headphones
- 5 Printers and 2 Photocopiers
- 2 barcode printers and 3 barcode scanners
- CCTVs
- Digital Display

### **E-Resources:**

The library integrates mobile technology, facilitating access to a multitude of e-resources, journals, and databases on-the-go. Subscriptions to e-resources include Inlibnet NLIST, DELNET, LSDiscovery Services, Knimbus Digital Library, Informatics J-Gate, Informatics IBI, e-newspapers and other Open Access Resources ensuring uninterrupted learning and research.

### **E-book Readers & Kindle Unlimited Subscription:**

The library also offers Kindle e-book readers with Kindle Unlimited Subscription, providing users access to digital collection. This initiative promotes eco-friendly learning and caters to the diverse reading preferences of readers.

### **Engagement through Mobile Technologies and Social Media:**

Library harnesses the power of smartphones and social media platforms like WhatsApp to foster a robust connection with our users. The library has deployed a smartphone with an official library number(8779988417) to connect with our users. Through regular updates, posts, and interactive sessions, we keep users informed about new acquisitions, newspaper clips, periodical contents, events, etc. Furthermore, these platforms serve as a feedback loop, allowing us to gain insights, address queries, and tailor our services to cater to the evolving needs of our users.

### **Optimal Utilization & User-Centric Approach:**

A mix of traditional and modern resources, digital technologies and online services has propelled optimal utilization of the library. The resources are leveraged for research, academic enrichment, curriculum development, career building etc. Regular user orientations, departmental Libraries, Book-Port, Group Book Bank scheme and other promotional activities (exhibitions and displays during important days) further augment the accessibility and use. The library also extends its services to former students, researchers, staff and visitors by providing external memberships.

Additionally, two gazebos, a green reading room, and a giant outdoor Chessboard have been established to promote a collaborative learning environment. RUSA has provided financial support for developing green library concept with solar panels, solar lights, LEDs, Energy saving fans, etc. The alumni association has also provided books and provide support for library activities.

College library, through its adequate infrastructure, digital resources, and user-focused services, stands as a beacon of modern academic support.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

#### 4.2.2

**Percentage of expenditure for purchase of books/ e-books and subscription to journals/e-journals year wise during the last five years**

**Response:** 2.73

**4.2.2.1 Expenditure for purchase of books / e-books and subscription to journals/e-journals year wise during last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
81.10	56.85	20.95	21.64	18.97

File Description	Document
Institutional data in the prescribed format (data template merged with 4.1.2 and 4.4.1)	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA and counter signed by the competent authority (relevant expenditure claimed for purchase of books/ e-books and subscription to journals/e-journals should be clearly highlighted)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 4.3 IT Infrastructure

**4.3.1****Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection****Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words****Response:**

In response to the evolving needs of the digital age, the college has embarked on a transformative journey, upgrading its IT facilities conducive to modern learning, research and administrative efficiency. Over the past few years, significant improvements have been made to strengthen IT infrastructure. These include:

- Computers upgraded with recent hardware and software configuration.
- Computer labs (E-Yantra, IOT & Robotics, Animation, Blockchain, etc.) developed/upgraded
- Internet leased line upgraded from 20Mbps to 300Mbps
- 34 smart classrooms (with Digital podiums, Interactive panels, Hybrid facility, etc.), 41 LCD Projectors.
- Campus is networked with Optical fiber connectivity and dual-band Wi-Fi.
- Microsoft Campus (EDU Cloud), Microsoft 365 A3 License, RedHat, Tally ERP 9, Assetms, Libsys ILMS, etc.) and open source.
- ADMI, RESO Software and MasterSoft ERP System.
- The Data Center and Examination Control room are fortified with the latest security measures.
- The Central library automated with cloud based Libsys10 ILMS and LSDiscovery services.
- Media Lab and Recording room
- BKBCK Connect, Mastersoft Cloud and StudentDiary app.
- Dynamic website along with social media applications.
- 338 CCTV cameras for surveillance and campus safety.
- Wacom Stylus, Slide Changer, TV Screen, DSLR Camera, etc.
- ICT equipments/instruments are under non-comprehensive AMC
- Six full-time technical staff to address technical issues to minimize downtime.

**IT infrastructure upgradation**

IT Facilities	2013-18	2018-19	2019-20	2020-21	2021-22	2022-23
Computers	500	510	606	624	644	952

Smart Classroom	03	07	22	22	34	34
LCD Projectors	17 and 06 OHPs	29	46	48	55 and 7 Interactive Panels	66 and 7 Interactive Panels
Network	LAN	Cisco Wi-Fi controller, L3 switch, AP, LAN		Smart Classroom and CCTV		Firewall, VM-WLC
Internet Band width (Mbps)	10	20	20	50	200	200 + 100

The initiative of the Chairman of the College Management, to implement Microsoft 365 before the sudden surge of Covid-19 has been a boon during the pandemic and complete lockdown. This helped the college to shift teaching-learning process from offline to online mode swiftly. 10000+ students, faculty and staff were provided MS Teams training, to facilitate real-time interactions, Q&A sessions, online assignments and immediate feedback. Quorio app was used to conduct online proctored examination.

E-content in various subjects has been developed by faculty and shared with the students.

Post-pandemic, Microsoft 365, Smart classrooms and hybrid learning environment is being used. Students are provided with a personalized O-365 email ID facilitating communication and collaboration. Microsoft Forms, Google Classroom, and Learning Management Systems (LMS) is being used for internal exams and external exams are conducted in offline mode.

The College Management has provided significant funding including CSR grants for the consistent and progressive upgradation of ICT infrastructure. The implementation of an ERP system, automation of the library, and a dynamic website have reinforced efficient academic and administrative operations.

The college has initiated tie-ups with GDNA, ABMCL, MKCL, TCSiON, Intelligent Quotient Security System, etc. for strengthening industry-academia connect, projects, internships, etc for improving the overall learning experience.

The College has made significant strides in enhancing its IT infrastructure and facilities, which reflects the institution's commitment to providing a cutting-edge technological ecosystem for its students, faculty, and staff.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

#### 4.3.2

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

**Response:** 9.06

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

Response: 952

<b>File Description</b>	<b>Document</b>
Purchased Bills/Copies highlighting the number of computers purchased	<a href="#">View Document</a>
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**4.3.3**

**Institution has dedicated audio visual centre, mixing equipment, editing facility, media studio, lecture capturing system(LCS) and related hardware and software for e-content development**

**Response:**

In an era where pedagogical methodologies have extended beyond the traditional chalk and talk method, the college has prioritized enhancing educational infrastructure for audio-visual and e-content development and delivery.

**Audio-Visual Centre (AVC):**

The modern pedagogy is practised through 34 smart classrooms functioning as Audio-Visual Centres. They are equipped with projectors, digital podiums, surround sound systems, and interactive digital whiteboards with seamless internet connectivity for integrating multimedia content into curriculum delivery. The remaining classrooms are also provided with LCD Projectors and Internet Connectivity via Wi-Fi/LAN. These facilities are extensively utilized for multi-media presentations and interactive learning sessions.

**Media Centre:**

Media Centre is a hub for budding journalists, media enthusiasts, and educators keen on curating subject-specific digital content.

The recording room is recently upgraded and well furnished with professional grade mixing and editing suite for producing, modifying, and enhancing multimedia resources. It is equipped with various equipments and audio-video editing software to provide hands-on training and developing the spirit of experimentation for producing creative educational e-content, by both faculty and students.

The Media lab facilities includes;

- Chroma background and Umbrella Light set-up
- High-definition Cameras-Nikon Z50 Mirrorless and Sony 4K Z90 series for video recording
- Soundproofing configuration
- Cubase Sound editing software license copy
- 24 channel Audio Mixer
- Mic system along with stand and DV Tripod
- Adobe Premiere 11 Suite (Photoshop, Adobe premiere and others).

This setup serves as a practical learning space for students in media-related courses, providing practical knowledge in photography and production of various educational videos, documentaries, short films, e-newsletters, etc.

Students have participated in many intercollegiate fests in short-film competitions and won prizes. Students have also created short films of college events like Ashadhi Ekadashi Dnyan Dindi, Mpower Cell, etc. uploaded on the college website and other social media platforms.

**Lecture Capturing System (LCS):** Acknowledging the increasing shift towards online and blended learning, especially accentuated by the challenges of the COVID-19 pandemic in 2020 and 2021, our institution implemented LCS through Smart Classrooms and MS-Teams platform. This system enables faculty to record, store, and disseminate lectures, ensuring uninterrupted student access irrespective of space and time constraints.

**Hardware & Software for e-Content Development:** Beyond physical infrastructure, the college has provided relevant hardware and software for audio-visual and e-content development. Also, the faculty uses free and open-access software to create interactive and engaging content. Training sessions have been conducted frequently to ensure that our faculty and students leverage these tools to their fullest potential.

The College offers a B.A. in Multimedia and Mass Communication (BAMMC), an interdisciplinary and skill-based programme having great employment potential. The facilities and guidance provided to the students have encouraged them to explore the creative aspects needed in Industry.

Few students have completed internships at Guruwani Community Radio Station 90.8 FM. Several students have received placement and employment opportunities in photography, the print and electronic media industry, production houses, etc.

During and beyond the pandemic period, these facilities have provided great support in educational delivery.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

#### 4.4 Maintenance of Campus Infrastructure

##### 4.4.1

**Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years**

**Response:** 0.13

**4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities of DDE and total expenditure excluding salary, year - wise, over the last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
4.25	1.64	1.65	0.00	1.64

File Description	Document
Institutional data in the prescribed format (data template merged with 4.1.2 and 4.2.2)	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA and counter signed by the competent authority (relevant expenditure claimed for maintenance of physical facilities and academic support facilities should be clearly highlighted)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

##### 4.4.2

**There are established systems and procedures for maintaining and utilizing physical and academic support facilities – laboratory, library, sports complex, computers, classrooms etc.**

**Describe policy details of systems and procedures for maintaining and utilizing physical, academic and support facilities within a maximum of 500 words**

**Response:**

The College has well-established processes and procedures for efficiently maintaining, utilizing and enhancing its physical, academic and support facilities considering the suggestions received from all the stakeholders.

The Infrastructure Committee plans and allocates the required budget and other resources for the development and maintenance of the tangible facilities as under:

- adherence to the policy, schedules, contracts and repair protocols
- quality control and preventive measures
- outsourcing of need-based jobs and personnel hiring
- optimal and consistent upkeep
- periodic checks and audits.

**Classrooms and Laboratories:** The classrooms and laboratory facilities are adequate, spacious, well-lit, and equipped with the necessary audio-visual teaching aids and advanced equipment.

The laboratory staff looks after cleaning and maintenance, and waste disposal. Regular calibration and validation of sophisticated instruments ensure safety, accuracy and precision standards.

Customized timetable provides optimal utilization and equitable access to the facilities across multiple courses.

**Library:** The functioning of library is automated, facilitating easy access and better management of resources. Library staff undertakes:

- daily cleaning, shelving, etc.
- binding of books
- periodic pest and rodent control
- weeding of books and continuous addition of new collection
- create efficient and user-friendly space, etc.

Departmental libraries, Collaborative learning space, Green Reading Room, Book Bank Scheme, Book-Port facility, Training Programs, Feedback, etc. promotes the usage of library resources and services.

**Sports Facilities:** The gymkhana committee and staff take care of timely maintenance and upgradation of sports facilities (indoor and outdoor) and oversee the scheduling to ensure fair access for all students. Regular sporting events at various levels are hosted to encourage active participation.

**IT Infrastructure:** A defined maintenance schedule for IT infrastructure and its usage is followed to provide continual access and avoid downtime.

- Asset Management System for tagging and managing IT assets
- The equipments and instruments are under non-comprehensive AMC.
- Antivirus across all systems for data security.
- Regular hardware upgradation and software updates.
- Six full-time technical staff to address technical issues to minimize downtime.

A rotational system ensures all departments have access to computer labs and computing equipments.

**Campus Security:**

- Security personnel (24x7) and 338 CCTV to safeguard the campus.
- 88 Fire Extinguishers
- Automated tripod turnstile gates, and visitors management system

**Other Amenities**

- Seminar hall, open-air auditorium, playground, gymnasium and other facilities well maintained.
- Canteen facility outsourced
- UV water filtration plant with adequate water purifiers and water coolers
- Clean and well-maintained washrooms.
- Sanitary Pad Vending machines in ladies washrooms.

**Repairs and Campus Maintenance:**

- Sqn. Ldr, Retd. as a Manager, Admin to look after issues of repairs, maintenance and security.
- Housekeeping staff for sanitization, gardening, beautification, etc.
- Electrician, Plumber, Carpenter and Civil engineer provided on campus. A separate requisition and complaint register is maintained for timely action.
- AMCs for IT equipments, power backup generators and UPS, laboratory equipments, air conditioners, fire extinguishers, pest control, etc.
- Segregation of solid/liquid wastes at source
- Waste disposal system
- Vermicomposting of garden waste.
- Biogas plant, Solar Panels, ETP and STP and their maintenance.
- Recycling of paper and plastic waste
- Disposal of e-waste
- Parking space, with signages, designated areas and routine maintenance.

These approaches ensures that the college facilities are well-maintained and judiciously utilized.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1

**Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years**

**Response:** 68.2

**5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
5972	7851	2127	5120	4620

#### File Description

#### Document

Year-wise list of beneficiary students in each scheme duly signed by the competent authority.

[View Document](#)

Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).

[View Document](#)

Upload policy document of the HEI for award of scholarship and freeships.

[View Document](#)

Institutional data in the prescribed format (data template)

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

#### 5.1.2

**Efforts taken by the institution to provide career counselling including e-counselling and guidance for competitive examinations during the last five years**

**Response:**

The college envisions for the holistic development of students with a focus on humane, inquisitive, and diligent approach for nation building.

Students benefit immensely from counselling provided at different forums, to identify their passions; future path and equip themselves with the skills and knowledge to carve their niche of expertise.

A full-time placement officer is appointed to promote and facilitate the training and placement activities. Training and Placement Cell organizes invited talks (online/offline/hybrid) by experts to upskill students for their career choices. Students' Committee for the TPC helps in these activities.

The college has signed MoU with TNSI for selected batch of commerce students to groom them on career aspects like soft skills, resume writing, GD, PI, etc.

TPC also organize career fairs and ensure that they are well-groomed to face the selection process. Efforts are also made to provide counselling(as per the need) to the students with practice for aptitude test, professional etiquette, mock interviews etc.

The domain specific job profiling and pre-requisites(communication skills, body language) are emphasized by the faculty while conducting academic sessions. Teacher-taught mentoring system includes personalized skill identification of the mentee. Faculty members constantly strive towards delivery of industry-ready skills.

The College has undertaken proactive approach under the benevolent patronage to address the concerns of mental health and well being, by establishing Mpower Cell(2021, an initiative of ABET). Mpower Cell provides counselling, psychiatric consultations, and organises workshops to provide clinical care & mental health-friendly environment. During pandemic, a 24x7 helpline number managed by mental health professionals, psychologists and counsellors has been used for e-counselling.

Many UG and PG students aspire to pursue higher education/research/placement at national and international levels wherein the eligibility is to qualify examinations like SET/NET/IIT-JAM/GRE/TOEFL/ IELTS, etc.

Students of Commerce faculty are guided to pursue professional entrance examinations like CA/CS/CMA/CFA, Banking, and Insurance, etc.

The aura of administrative services has motivated many students to pursue entry into Civil Services. In faculty of Arts, few topics are included in the curriculum to help them to prepare for the same.

Many NCC cadets aspiring to join Armed forces as Commissioned Officers appear for CDS(Combined Defence Services Examination) conducted by UPSC followed by SSB interviews are groomed by ex-cadets and ANOs.

Earlier the college had UGC sponsored scheme for NET/SET Coaching and entry into services for SC/ST/OBC and Minorities.

The college provides help, support, and guidance to qualify these competitive exams for better progression and placement in the following ways:

- Seminars/Workshops/Webinars by experts.
- Guidance by experts/successful alumni.
- Knowledge resource at Library.

- Study materials, e-journals/books, newspaper clippings, practice/ test papers for competitive exams.
- Curriculum designing/Certificate add-on course in alignment of competitive examinations.
- Training sessions for selection in Armed forces, CISF, CRPF and Police.
- Abhyas Mahotsav: series of lectures for CA/CS and Banking exams.

During last five years 135 NCC ‘C’ Certificate, 122 aspirants have been successful in various competitive exams(79 NET/SET, 11 GATE, 13 professional examinations(C.A.,C.S.,etc.), 2 IELTS/TOEFL, 17 JAM, etc.

The faculty members and students are industriously striving towards meeting the aspirations of the young minds.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

### 5.1.3

**Following capacity development and skills enhancement activities are organised for improving students’ capability**

- 1.Soft skills**
- 2.Language and communication skills**
- 3.Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)**
- 4.Awareness of trends in technology**

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

<b>File Description</b>	<b>Document</b>
Report with photographs on programmes conducted for awareness of trends in technology	<a href="#">View Document</a>
Report with photographs on programmes/activities conducted to enhance soft skills, Language & communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**5.1.4**

**The institution adopts the following for 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

<b>File Description</b>	<b>Document</b>
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	<a href="#">View Document</a>
Proof related to Mechanisms for submission of online/offline students' grievances	<a href="#">View Document</a>
Proof for Implementation of guidelines of statutory/regulatory bodies	<a href="#">View Document</a>
Details of statutory/regulatory Committees (to be notified in institutional website also)	<a href="#">View Document</a>
Annual report of the committee monitoring the activities and number of grievances	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 5.2 Student Progression

### 5.2.1

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

**Response:** 95.06

**5.2.1.1 Number of outgoing students placed and progressed to higher education during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
2533	2512	2314	2145	1756

#### File Description

#### Document

Institutional data in the prescribed format (data template)

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

### 5.2.2

**Percentage of students qualifying in state/ national/ international level examinations out of the graduated students during the last five years**

(eg: NET/SLET/ Civil Services/State government examinations etc.)

**Response:** 3.91

**5.2.2.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/SLET/Civil Services/State government examinations etc.) year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
139	113	87	86	38

File Description	Document
List of students qualified year wise with details of examination and links to Qualifying Certificates of the students taking the examination	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 5.3 Student Participation and Activities

#### 5.3.1

**Number of awards/medals for outstanding performance in sports/cultural activities at University / state /national / international Level events during the last five years**

**Response: 57**

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

2022-23	2021-22	2020-21	2019-20	2018-19
22	13	01	10	11

File Description	Document
list and links to e-copies of award letters and certificates	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

#### 5.3.2

**Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution.**

**Describe the Student Council activity and students' role in academic & administrative bodies within a maximum of 500 words**

**Response:**

The college has a proactive Students' Council, who assist the teachers in planning, organizing, executing various student-oriented activities, addressing and resolving the concerns related to the teaching-learning and evaluation process, office, basic amenities, etc. for the smooth functioning of the college.

The Students' Council is formed by nominating one student from each class based on their academic merit at the preceding examination and are engaged in full time studies. One student from each of the following activities, (1) Sports (2) National Service Scheme (3) National Cadet Corps (4) Cultural Activities, two Lady students and one representative from a special cell are nominated by the Principal. One senior faculty member is appointed as Coordinator of the Students' Council.

The Students' Council members are nominated on various committees namely IQAC, College Development Committee, Students Grievance Committee, Anti-Ragging Committee, Internal Complaint Committee, Safety and Security Committee, Placement Cell, etc.

***Students Council representatives contribute to academic and administrative bodies like:***

- ***Internal Quality Assurance Cell:*** assists in Quality enrichment - Curriculum, Teaching- learning and Assessment, Co-Curricular and Extra-Curricular activities.
- ***College Development Committee:*** assists in planning, welfare activities along with institutional scholarships and free-ships for students.
- ***Anti-Ragging and Internal Complaint Committee:*** helps in creating awareness on Anti-Ragging and take corrective measures during any incidents (if any).
- ***Safety and Security Committee:*** ensures the safety and security of students by guiding and creating awareness.
- ***Placement and Entrepreneurship:*** provides information regarding placements or internships opportunities. A separate student committee having few of these representatives work towards placement and training activities to provide help and support.
- ***NCC and NSS:*** conduct social activities like cleanliness drive, tree plantation drive, blood donation, etc.
- ***Sports:*** Student council in association with Department of Physical Education and Sports conducts an Intra-Collegiate Annual Sports meet.
- ***Other Areas:***
  - Student- centric initiatives (H2O- Holi and Happiness On- board).
  - Forthright communication channel
  - Students' participation in co-curricular and extra- curricular activities.
  - Feedback on resource adequacy in various facilities like library, ICT, Canteen, Recreation, Sanitation, Security, etc.
  - Sensitization of students towards gender and social equity.
  - Personal hygiene requisite of girl students (Sanitary pad vending machine; Sanitary pad collection bin).
  - Publicize code of conduct, quality initiatives, Student- welfare schemes, etc.
  - SDG-oriented campus initiatives (plastic waste collection drives, electricity/ water/paper conservation practices, etc.).
  - Commemoration of Guru Pournima, World Mental Health Day, World Ozone Day, etc.

- Commergence to showcase the scope of commerce subjects.
- Organizing value-based programs.
- Redressal and resolution of the grievances (if any) at appropriate forums.
- Physical Health and Well-being of Stakeholders including Mental Health.

Meetings are held periodically to discuss educational needs, student- welfare schemes, college development, etc. The Co-ordinator and other nominated faculty members regularly interact with the council members and provide them needful support, and guidance.

The Students' Council members are felicitated with the appreciation certificate for their contributions. The members of the Students' Council are well represented in the academic as well as the administrative bodies of the College. This instills leadership and managerial qualities.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

### 5.3.3

**The institution conducts / organizes following activities:**

- 1.Sports competitions/events**
- 2.Cultural competitions/events**
- 3.Technical fest/Academic fest**
- 4.Any other events through Active clubs and forums**

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

File Description	Document
Report on Sports, Cultural competitions/events, Technical/academic fests, Any other events through active clubs and forums along with photographs appropriately dated and captioned (whichever is applicable)	<a href="#">View Document</a>
List of students participated in different events year wise signed by the head of the Institution	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Copy of circular/brochure indicating such kind of activities.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 5.4 Alumni Engagement

### 5.4.1

**Total Amount of alumni contribution during the last five years (INR in lakhs) to the institution through registered Alumni association:**

**Response:** 50.14

**5.4.1.1 Total Amount of alumni contribution during the last five years (INR in lakhs) to the institution year wise through registered Alumni association:**

2022-23	2021-22	2020-21	2019-20	2018-19
49.43	0.10	0.15	0.17	0.29

File Description	Document
List of alumnus/alumni with the amount contributed year-wise	<a href="#">View Document</a>
Annual audited statements of accounts of the HEI highlighting the Alumni contribution duly certified by the Chartered Accountant/Finance Officer	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 5.4.2

### **Alumni contributes and engages significantly to the development of institution through academic and other support system**

**Describe the alumni contributions and engagements within a maximum of 500 words**

#### **Response:**

In the dynamic educational landscape, alumni have been contributing to the institutional growth and development. The College has a registered Alumni Association. The alumni are added to a WhatsApp/Telegram group for smooth communication by each department for various interactions like career and placement guidance, research aspects, training/ workshops, etc.

#### **Student Mentoring by alumni**

Alumni contributes to the overall development and well-being of the students-

- Officers (IAS/IRS/IFS/IPS/Tehsildars, etc.) are invited to share their expertise to crack the competitive examinations.
- Visiting faculty for courses to enhance the practical knowledge of learners.
- Scientist from academia and industry motivate students to pursue application oriented research.
- Help support and guidance to the placement cell.
- Training on Yoga, Creative skills, self-defence, and supporting Cultural activities.
- Coaching for Sports by Shiv Chhatrapati awardee or Sports Alumnus for Volleyball, Gymnast, etc.
- Entrepreneurial Guidance by alumni at managerial positions to inculcate entrepreneurial mindset and skills amongst the learners nurture their ideas and mentor them to start their ventures.

#### **Guest lectures and workshops**

- CA/CS/other professional alumni share their experience and journey to motivate and enhance their confidence level of current students.
- Annual Public Budget Meetings are organized by alumni tax consultants.
- Sessions on recent trends in technology, Cybercrime, Digital Marketing, Literary Skills, etc are conducted.

#### **Research Initiatives**

Alumni Scientists from academia and industry contribute by promoting interdisciplinary research and provide guidance to the faculty and students about the recent advances and opportunities in research through research collaboration under MoUs.

#### **Participation of Alumni in Statutory Committees**

- GC: To participate in drafting of perspective plan and review the progress of college.
- CDC: To suggest measures for growth of the students and the college.
- AC: To provide insight into the curriculum designed.

- BoS: To offer expertise in designing the curriculum offered for various programs/ courses.

### Networking and Strategic Partnerships

Alumni association contribute their time and resources in mobilising the resources. Alumni helps to:

- Connect with industry for placement or internship opportunities.
- Facilitate connect between current students and professionals to support their career aspirations.
- Guide NCC cadets for training and joining Defence services by defence personnel.

### Financial Contributions

During the pandemic years, the alumni has contributed in kind by way of delivering lectures, arranging online workshops, disseminating admission information, etc.

However, after golden jubilee year, alumni have been contributing in cash and kind. Alumni are also participating in various activities like Birlostav, Republic Day, Independence day, Dyandindi, Peace March, Cyclothon, etc.

This fund is being utilized for the welfare and overall development of the present students.

The unutilised deposits of caution money have been utilised for purchase of books for competitive exams, laboratory equipment's, conduct of courses under NEP 2020, training and teaching of non-teaching staff in consultation with the office bearers of registered alumni association. The amount collected under students aid fund is utilised towards student centric activities like procurement of computer, photocopier machine, etc.

The contribution in kind by Alumni association has also been immensely beneficial to the college in governance, academics, placement, extension, etc. Many of the distinguished alumni are holding high positions in the field of academic and industry.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

#### 6.1.1

**The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.**

#### **Response:**

The college was established in the year 1972 with the blessings of Syt. B.K.Birla and Smt. Saralaji Birla. The patrons and leaders uphold their legacy of humanity, humility, simplicity, educational philanthropy, art and culture.

The governance and leadership is a guiding beacon, which is a blend of corporate and educational expertise, strategically steering towards the vision and mission of the institution. Their futuristic approach has led to enhance quality of academics in the evolving educational paradigms.

The good governance is ensured through cohesive, efficient strategic planning and transparent and participatory decision-making to achieve the desired growth. The transformative, decentralised management approach reflects democratic ethos and fosters sense of collective ownership and responsibility among the faculty, staff and students.

As per the notifications of GoM, UoM and UGC, planning for the implementation of NEP 2020 has been initiated. Accordingly, NEP cell is constituted. Experts have been invited to conduct training sessions to facilitate the faculty preparedness to embark on the implementation journey, from 2023-24. The curriculum has been designed as per NEP 2020 Guidelines with emphasis on multidisciplinary and skill-based education.

The college has ensured sustained growth by

- Introducing several new age programmes in conformity with changing market and industry needs
- Strengthening and developing infrastructure(Physical and digital)
- Promoting research culture
- Transforming library into Knowledge Resource Center
- Ensuring physical and psychological security
- Community Engagement

The growth is due to effective leadership and governance focusing on continual improvement and adaptability to the educational landscape. The college aspires to achieve 'Empowered Autonomous Status' and then 'University Status'.

The perspective plan (short term and long term) is formulated by integrating the vision, mission and core values. College strives to achieve excellence through the deployment of strategic plan with a focus on student-centric approach, ICT enabled teaching- learning process, co-curricular and extra-curricular

engagement, inclusivity, health and wellness, value education, research culture, collaboration, employability and entrepreneurial skills and endeavour for achieving excellence.

The college has adopted several other institutional practices like:

- Digital Initiatives
- Green initiatives, contributing towards UNSDGs
- Value education
- Enhancing global competencies and international visibility, etc.

These practices reflect commitment to academic excellence, societal contribution, and overall development of college.

Several leadership training sessions have been organised for the faculty and staff to enhance the level of commitment and enthusiasm in the pursuit of academic excellence.

The Governing Council and Governing Body guide and encourage the effective decision-making and functioning of the college. Director (Education), Principal, Vice Principals, IQAC Co-ordinator, CoE and HoDs plan and execute the activities for the growth and development of the college at different levels. Regular meetings are held by Director/Principal to review, plan and implement the day-to-day functioning of various activities. AC, BoS, FC, BoE, IQAC and several other Committees/Cells supervise and enhance the academic and administrative functioning.

The visionary leadership and governance are visible through perspective plan, physical and digital infrastructure, autonomous status, and preparedness to implement NEP-2020, which has led the college to become an institution of repute in the realm of higher education.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1

**The institutional perspective plan is effectively deployed and functioning of the institutional bodies are effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc**

**Response:**

The Perspective plan is a blueprint developed through collaborative efforts aligning with the vision and mission of the institution. The plan (2018-19 to 2022-23) focuses on academic excellence, research, innovation, community engagement, sustainable practices, etc. The plan is effectively deployed in a phased manner through comprehensive planning, goal setting, resource allocation, stakeholder engagement, continuous monitoring, and reviewing to ensure its efficacy with the evolving educational trends, industry and societal needs, leading to sustained growth.

The performance of the institutional bodies is reflected in the structured functioning, judicious decision-making, appropriate delegation, resolute task completion and corrective actions. Statutory and other bodies function on the guidelines defined by the University Grant Commission (UGC), University of Mumbai and the Management. Based on the policies and plans, various committees and cells such as the IQAC, Board of Studies (BoS), Board of Examinations (BoE), Students' Council, Research Committee, Training and Placement Cell, etc. play a pivotal role in monitoring and enhancing the quality of academic and administrative functioning, based on the policies and plans.

Governing Council and Governing Body guide and approve various initiatives like introducing new age programmes, infrastructural augmentation, sanctioning the posts, budget, etc. The functioning is periodically monitored for the overall growth of the college.

Board of Studies is the primary academic body which frames, reviews and updates the curriculum periodically. The draft syllabus with credit allocation, evaluation system and question paper pattern are placed before the Academic Council(AC) for the approval.

The Academic Council frames the academic policy, approves and timely revise the curriculum of various courses according to the changing needs. The recommendations of Academic Council regarding new age programmes are placed before the Governing Body, Governing Council for approval.

The Finance Committee of the College focuses on

- allocation of funds and optimum utilization of funds
- timely preparation of accounts
- the grants received are utilized aptly and the Utilisation Certificate is sent to the respective funding agencies.
- timely filing of returns and compliance
- conduct of the Financial Audit
- prudent financial management.

The college has formulated policies and procedures which provide effective framework for the functioning of different domains. The policies are compliant with the regulatory standards and also encompass adherence to ethical practices. This has led to the achievement of desired quality growth to provide conducive environment for learning, research, personal growth, etc. in the pursuit of academic excellence.

The appointment, approvals, service rules and career advancement are as per the guidelines of the University Grants Commission, Statutes of Government of Maharashtra, University of Mumbai and the Management. The recruitment process is based on academic credentials, role-specific expertise, etc. Reservation policy is followed. The service rules and the standard operational procedures are communicated to all concerned. Many support services have been outsourced.

The administrative setup has well-defined roles and responsibilities to ensure effective planning, decision making, efficacious implementation, and timely execution of institutional plans and reviews periodically for further improvement. The deployment of strategic plan is effectively executed through various institutional bodies.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional perspective Plan and deployment documents on the website	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

### 6.2.2

**Institution implements e-governance in its operations. e-governance is implemented covering the following areas of operations:**

- 1. Administration including complaint management**
- 2. Finance and Accounts**
- 3. Student Admission and Support**
- 4. Examinations**

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

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	<a href="#">View Document</a>
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	<a href="#">View Document</a>
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 6.3 Faculty Empowerment Strategies

### 6.3.1

**The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression**

**Response:**

The College has well defined Performance Appraisal Policy for both teaching and non-teaching staff, in adherence to the guidelines issued by the University Grant Commission /University of Mumbai/ Government of Maharashtra/ Management.

The performance of the faculty members for career advancement is assessed on the basis of self-appraisal, API scores, students' feedback and their performance based on the academic and administrative activities. Good performance is rewarded with increments/promotions.

The performance of the Non-teaching staff and their appraisal is based on feedback, assessment and certification by the immediate reporting and subsequently by the higher authorities.

The College believes in family culture. It aims to create a nurturing and conducive environment for personal and professional growth through several welfare measures like:-

**Financial Welfare Measures**

**Teaching and Non-teaching staff members**

- Performance-linked incentives
- The Group Accidental Insurance
- Gratuity benefits to the employees appointed in the grant-in-aid system.
- Provident Fund and Gratuity Benefits to the employees appointed under Defined Contribution Pension Scheme / Management
- Felicitation of the faculty members and staff (who have served for 25 years) on the foundation day (17th June ) with an appreciation certificate and cash of Rs. 5000/-.
- Marriage gift(Rs.6,000/- to Rs. 10,000/- ) for the employees and their children.
- Birla College Employees' Co-op Credit Society Ltd. offers annual dividend, long term loans upto Rs. 12,00,000/- and emergency loans upto Rs. 25,000/- to its members.
- 50% Fee concession to the children of employees.
- Employee Benevolent Scheme for the employees undergoing any serious medical treatment (hospitalization and surgery)
- TA/DA for attending seminars, conferences, etc.

**Teaching staff members**

- Financial Incentives to Vice Principals, Controller of Examination, Deputy Controller, Co-ordinator IQAC, Co-ordinators of various courses, Chairman-Gymkhana.

**Non-teaching staff members**

- Uniform and washing allowance to class IV employees.
- Provide kit to participate in sports activities

**Non financial Welfare Measures****Teaching and Non-teaching staff**

- Provided O-365 email ID with 2TB storage capacity.
- MPower Cell in the campus, provide psychological and psychiatric consultations.
- Cake distribution on marriage anniversaries/birthdays.
- Access to a childcare centre in the campus.
- Free health checkup camps and medical consultations.
- Medical Room with one full-time trained nurse.
- The medical facility at Century Rayon Hospital and Ayush Hospital on concessional terms.
- Access to amenities available at the College (Foot Massager, Body massage chair and Gym) and Century Rayon Club(Swimming Pool, Auditorium, etc.)
- Various Social events organized to facilitate team bonding and camaraderie.

**Teaching staff**

- Training and FDPs
- Felicitation (by giving silver plate) on completion of Ph.D.
- Organizing an academic activity(Seminar) in honour of the retiring faculty

**Non-teaching staff**

- Tea (twice a day) to the non-teaching staff during working hours.
- Help and Support to pursue further studies
- Bookbank facility

**Avenues for career development/progression:**

The faculty members are,

- empowered to be the academic leaders (within/outside the college),
- to be ANOs and NSS Program Officers, etc.
- provided help, support, guidance for CAS and to fulfil other career aspirations.

Thus, providing these welfare measures motivates the employees to work efficiently for their professional and personal growth.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

**6.3.2**

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

**Response:** 22.65

**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**

2022-23	2021-22	2020-21	2019-20	2018-19
08	14	05	23	56

<b>File Description</b>	<b>Document</b>
Policy document on providing financial support to teachers	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	<a href="#">View Document</a>
Audited statement of account highlighting the financial support to teachers to attend conferences/workshops and towards membership fee for professional bodies	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**6.3.3**

**Percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDPs)/ Management Development Programmes (MDPs) during the last five years**

**Response:** 60.68

**6.3.3.1 Total number of teachers who have undergone online/ face-to-face Faculty Development Programmes (FDP)/ Management Development Programs (MDP) during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
98	27	36	94	29

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	<a href="#">View Document</a>
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Copy of the certificates of the program attended by teachers.	<a href="#">View Document</a>
Annual reports highlighting the programmes undertaken by the teachers	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

### 6.4.1

#### **Institutional strategies for mobilisation of funds other than salary and fees and the optimal utilisation of resources**

**Describe the resource mobilisation policy and procedures of the Institution within a maximum of 500 words**

#### **Response:**

The resource mobilization policy of the college ensures optimal allocation and utilization of resources. The college maintains a transparent and prudent financial management system. In addition to fees and grants from Government of Maharashtra (including salary grant), efforts are made to procure funds from Government and Non-Government bodies. IQAC in consultation with departments deliberate on securing funds from various agencies like UGC, DBT, DST, RUSA, etc for additional revenue generation.

The college develops the financial plan, oversees and manages budgetary provisions, and procurement of goods/ services. The college receives the Funds from various sources apart from the fees collected. The funds are mobilised through a systematic plan.

#### **Strategy of Funds Mobilisation**

The college has a well-defined process for fund mobilisation and optimum utilisation. Various Government and Non-government agencies are tapped for funds to develop infrastructure, research, teaching-learning aids, etc. Every year college with support from management secures funds under corporate social responsibility for the development of infrastructure (Physical and Digital), curricular and

co-curricular activities, Faculty development programs, etc. Funds are also mobilised for providing scholarships from the Government, fee concessions from Management and philanthropists.

Other initiatives include:

- Alumni Engagement to encourage contributions and endowments.
- Collaborative initiatives for certain annual programs of University of Mumbai and other institutions
- Grants received from University Grant Commission
- Projects from industry/ institutions for research and development.
- Sports Scholarship from the Management.
- Funds from Consultancy like NABL, industry etc.

### **Procedure of Resource Mobilisation**

Applications are submitted to various Government (UGC, DST, UoM, etc.) and non-government (industry/institutions) agencies for financial support to carry out major and minor research projects and for the introduction of new age programmes.

The college/faculty members utilise the grants as per the norms and submit the report and utilisation certificate on completion of the project/ scheme.

The management has allocated separate funds to each department for strengthening departmental/research activities. The Head of the Departments and Co-ordinators prepare and submit their proposed annual budget (capex and opex) in consultation with higher authorities for allocation and utilisation.

### **Strategies for Optimal Utilisation of Funds:**

- The funds allocated against the specific budget heads proposed in the scheme are utilized based on the priorities.
- Cost-effective practices are followed.
- The college monitors and ensures that the funds received are judiciously utilized.
- Separate accounts are maintained in various heads, audited and UC submitted to the respective funding agency.
- Contingencies and Future needs are also factored during budgeting.

The funds are employed for the benefit of all the stakeholders, encompassing infrastructure enhancement, both physical and digital, maintenance and support, as well as green initiatives. The committee diligently supervises the allocation of sanctioned funds. Both the internal and external audits are conducted to scrutinize the expenditure, ensuring adherence to the Fund Mobilization Policy and confirming that the funds are utilized as intended.

Thus, the funds are judiciously and optimally utilised, and audited to ensure transparency and accountability. This approach fosters trust among stakeholders and enables college to effectively allocate resources for growth and development.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

**6.4.2**

**Funds / Grants received from government bodies, non-government bodies, and philanthropists during the last five years (not covered in Criterion III and V)**

**Response:** 727.48

**6.4.2.1 Total Grants received from government/non-government bodies, philanthropists year wise during last five years (not covered in Criterion III and V) (INR in Lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
329.59	96.76	147.73	30.26	123.14

File Description	Document
Institutional data in the prescribed format (data template)	<a href="#">View Document</a>
Copy of the sanction letters received from government/ non government bodies and philanthropists	<a href="#">View Document</a>
Annual audited statements of accounts highlighting the grants received	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**6.4.3**

**Institution regularly conducts internal and external financial audits regularly**

**Enumerate the various internal and external financial audits carried out during the last five years with the mechanism for settling audit objections within a maximum of 500 words**

**Response:**

The college has a finance committee as per the guidelines. The committee has a well-established internal check and internal control system. There is periodic inspection of the receipts and payments recorded in the books of accounts. The financial accounts are kept in accordance with the prescribed standards. The

accounts department follows a prudent financial management system and processes the financial transactions after verifying the documents and getting authorization from the specified authorities of the institution.

The college has an internal and external financial audit mechanism system.

#### **Internal Audit:**

College has appointed C.D.Phadke and Co. Chartered Accountants as the internal auditor. College has its own internal check as well as internal audit system, which ensures verifying and validating the Income and Expenditure. The accounts department ensures timely preparation of the accounts and financial statements and submission of returns. Internal audit supports the institution's use of a methodical approach to assess and improve the efficiency of the financial procedures used and to examine administrative operations.

Scrutiny and internal check techniques are applied to Research grants allocated for Minor/ Major projects, with meticulous Utilization Certificates and reports submitted as part of this process.

College timely submits the utilization certificate of the grants received from various agencies like RUSA, DBT, Autonomy Grant, etc. Additionally, funds provided by collaborative agencies (NCW, UGC, Grants received under CSR, Mpower, etc.) for organizing seminars or workshops are subject to verification before submission of the Utilization Certificate.

#### **External Audit:**

College has appointed M.L.Sharma and Co. Chartered Accountants, as the statutory auditors for the Statutory audit and the statutory auditor conduct an audit of all financial records on an annual basis.

The statutory audit is carried out by the Statutory Auditor in two stages i.e. the interim audit and the final audit. The statutory audit is conducted by the firm covering the financial aspects of the institute like students welfare fund, students aid fund, specific grants, alumni contribution, employee benefits etc.

#### **GSTR-9C**

Management has appointed K.G. Soni and Co. as the GST consultants. They complete necessary formalities regarding returns, audits etc. The accounts department ensures the accuracy and integrity of accounts and records. College files the annual returns in the form GSTR-9C. The Finance committee In-charge is responsible for documentation and filing of the GSTR-9C as per the statutory compliance of tax authorities.

The management takes necessary steps to implement the internal control and audit system systematically. The amount received from the funding agencies are also verified and the UC is prepared and submitted to the respective funding agency.

Finance Committee, ensures to maintain the accounts and financial statements as per the advice given by the internal and statutory auditors. The management takes necessary steps to implement the internal control and audit system of college, but still if any clarifications are raised, the same is being addressed by submitting the required documents. This way college ensures transparency while maintaining and

recording all the financial transactions.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

## 6.5 Internal Quality Assurance System

### 6.5.1

**Internal Quality Assurance Cell (IQAC)/ Internal Quality Assurance System (IQAS) has contributed significantly for institutionalizing the quality assurance strategies and processes, by constantly reviewing the teaching-learning process, structures & methodologies of operations and learning outcomes, at periodic intervals**

**Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes visible in terms of –**

- **Incremental improvements made for the preceding five years with regard to quality (in case of first cycle)**
- **Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives (second and subsequent cycles)**

**Describe two practices institutionalized as a result of IQAC initiatives within a maximum of 500 words**

#### **Response:**

The formation of IQAC aligns with NAAC guidelines and receives unwavering support from management, to uphold the institution's vision, mission, and growth trajectory. IQAC nurtures a culture of quality through diverse initiatives aimed at maximising benefits of academic autonomy, in addition to commemoration of Golden Jubilee year-a landmark event. Role of IQAC(in planning, executing, reviewing and improving) has been commendable, as college has constantly seen an enhancement in NAAC accreditation ratings.

IQAC has also been instrumental in implementing institutional policies, strategies and processes for continual improvement.

Following quality initiatives have been implemented:

- 32 policies have been framed(Quality, Research, IT etc.).
- establishing and reviewing benchmarks across diverse operations to raise the performance standards.
- enhancing student engagement through active learning to create future-ready graduates.

- designing of alternative strategies like: implementing Microsoft-365 during and post covid-19, hybrid teaching-learning methods and other facilities(electricity, internet, etc).
- sharing best practices through internal, academic and administrative audits, etc.
- infrastructure augmentation(physical and digital).
- organizing FIP, FDPs, training programs and workshops/invited talks on ICT integration, OBE, pedagogical techniques, fostering research culture, etc.
- drives green initiatives, alumni engagement, promote sports and enhances outreach activities.
- collates and analyses feedback from various stakeholders.
- mentoring neighbouring non-accredited colleges to prepare for accreditation through Paramarsh scheme of UGC and Margdarshan scheme of NAAC

Two key practices institutionalised by IQAC:

### **Practice I: Student Engagement through Experiential Learning**

IQAC initiatives have spearheaded a transformative wave in teaching-learning reforms following autonomy. The shift prioritizes student-centric learning to refine learning outcomes and foster their holistic development. Its foundation lies in the meticulous design of a skill-based curriculum tailored to meet changing needs. College has introduced several need-based, vocational, new-age and interdisciplinary programmes focusing on practical-oriented approach.

Student engagement is encouraged through diverse methods such as practicals, projects and problem-based learning, internships, collaborative learning, community engagement projects, industrial visits, case studies, etc. Further students are motivated to participate in various activities/exhibitions and celebrate Days like Management, Taxation, Finance, Banking, etc. for experiential learning and cultivating interest in their specific domains. Students Encouragement Awards(SEA) function has been organized to encourage students to enhance their overall personality. This promotes deep understanding of subject, application-oriented learning, higher-order cognitive and life skills, etc.

### **Practice II : Redefining Faculty Development**

Faculty Development initiatives aim to enhance skills and capabilities of faculties. College redefines faculty development by delving them in pedagogical innovation, integrating technology and motivating interdisciplinary collaborations. Programs like LDP, Microsoft trainings, etc. have been organised. Promoting broader exposure, faculty members are encouraged to visit distinguished institutes, fostering an exchange of ideas and insights to further enhance quality standards of teaching-learning.

IQAC has extended its efforts to provide career development and skill-based training for non-teaching staff. This approach recognizes importance of fostering professional growth and empowering them in their roles within institution.

The efforts have resulted in securing prestigious prizes by students like

- Best Team-First Runner up, Best Team Innovative solutions, etc. at International Economic Conventions
- Best College Participation Award at Intercollegiate Media Fest for three years
- Zonal Championship at Avishkar

- Debate, Elocution, etc. at Youth Festival(Zone IV)

Impact of these practices is visualised in the improved student engagement and learning outcomes.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

### 6.5.2

**The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms**

**Describe any two examples of institutional reviews and implementation of teaching learning reforms facilitated by the IQAC within a maximum of 500 words each.**

#### **Response:**

IQAC plays a pivotal role in taking conscious efforts to review periodically the teaching-learning processes, methodologies, learning outcomes and takes following steps to enhance the quality:

#### **Academic Review**

- *Teaching-Learning Process*

IQAC ensures the academic plan presented by respective departments are reviewed, deliberated and corrected considering the programme objectives and outcomes at the beginning of the year. The faculty members prepare course wise teaching plan and decide on various pedagogical methods such as chalk and talk, use of ICT, e-contents, experiments, role play, presentations, simulation learning, collaborative and reflective learning, etc.

- *Regular Audits for Quality Enhancement*

The IQAC monitors, review and analyze academic performance through quality audits (Academic Audit, ISO Audit, etc.) in pursuit of academic excellence.

- Academic Audit has been conducted to review the impact of autonomy, teaching-learning and evaluation process of various programs/courses offered and to identify the Best Practices.
- Internal and External audit(ISO-9001:2015) is conducted periodically. Internal audit is scheduled to assess three processes i.e. education, management, and support processes. External Audit checks the effectiveness of Internal audit findings and evaluates the commitment of the institution towards Quality Management System.

- The management/higher authorities also reviews the processes at regular intervals like:
  1. Academic calendar- Manages and facilitates the implementation of the academic calendar, ensuring smooth functioning.
  2. Teaching-Learning Process- Syllabus completion status, identifies gaps, and implements corrective actions.
  3. Examination- Efficacy of internal and external examinations, result declaration and analysis.
  4. Attainment of Outcomes- Ensures alignment with graduate attributes and monitors the achievement of PO, PSO, and CO

### Feed Forward Quality Process:

Teaching learning process is dynamic and constantly evolving to adapt diverse needs of learners. The role of IQAC in the feedforward quality process involves strategic planning, setting quality benchmarks, feedback mechanisms and regular quality audits. Its proactive approach contributes towards enhancing the overall quality and performance. The feedback mechanism helps to refine the teaching-learning process. Its analysis assists in identifying the strengths and concerns to further improve the quality. The responses from all the stakeholders are integrated to strengthen the curriculum, pedagogy and assessment. This leads to enriching the teaching-learning process and overall satisfaction.

Participatory management includes constructive criticism and deploy the appropriate actions in development of college.

### Quality Reforms

IQAC has initiated reforms in teaching and learning, focusing on the integration of ICT and innovative pedagogies such as project-based learning, flipped classrooms, and collaborative activities like Pravah (inter-collegiate science fest), commemoration of various days like Banking, Management, Taxation, etc. seamlessly bridge theory and practice. Organized a 2 - Day Workshop on ‘Autonomous Colleges in India: The Road Ahead’, jointly with IIAS, Shimla (under its UGC-IUC Centre), to understand best practices of Autonomous Colleges aimed to steer the institution’s development of quality reforms.

Thus, the college reviews and initiates reforms in its teaching-learning process periodically. Its outcome involves a comprehensive assessment of effectiveness of teaching-learning methodologies. The review and outcome through the academic review and feed forward quality process, fosters continuous improvement in the quality education. This evaluation leads to recommendations for improvements, adjustments, or enhancements in order to optimize the overall learning experience for students.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

### 6.5.3

**Institution has adopted the following for Quality assurance:**

- 1. Academic and Administrative Audit (AAA) and follow up action taken**
- 2. Conferences, Seminars, Workshops on quality conducted**
- 3. Collaborative quality initiatives with other institution(s)**
- 4. Orientation programme on quality issues for teachers and students**
- 5. Participation in NIRF and other recognized ranking like Shanghai Ranking, QS Ranking Times Ranking etc**
- 6. Any other quality audit recognized by state, national or international agencies**

**Response:** A. Any 5 or more of the above

<b>File Description</b>	<b>Document</b>
Quality audit reports/certificate as applicable and valid for the assessment period	<a href="#">View Document</a>
NIRF report, AAA report and details on follow up actions	<a href="#">View Document</a>
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>
Link to Minute of IQAC meetings, hosted on HEI website	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1

**Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.**

**Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words**

**Response:**

The College believes in family culture and maintains healthy interpersonal relations among all its stakeholders. The Gender Policy developed by the College advocates equal opportunity and provides a conducive environment for all.

Periodic internal gender audits by senior faculty ensure adherence to Gender Policy objectives. External experts have also conducted an audit to validate goal achievement and enhance gender equity on campus.

Gender Equity is ensured through the following measures –

**1. Gender Studies in Curriculum** – Gender sensitization, fundamental rights, inculcation of values and positive outlook have been attained through several courses offered in Humanities, Foundation Course, etc. Various certificate courses, webinars, and lecture series have been conducted to dissolve gender stereotypes.

**2. Gender Equity in Governance** – The college has a substantial 62.9% female teaching staff. The Vice Principals have gender parity, and the security head is a retired Officer from Armed Forces. Women constitute 24.1% of support, technical, and security staff.

Around 58% of students are girls. The Students' Council comprises meritorious students from each class and representatives from allied associations, including 2 Lady Representatives.

**3. Women Development Cell (WDC) and Women Studies Centre (WSC)** - WDC and WSC have been conducting programmes on gender awareness and justice, pre-marriage counselling, self-defence, POSH, etc. periodically.

The College has organized programs on health, hygiene, nutrition, free health check-up camps. The College also celebrates days like International Women's Day, National Girl Child Day, and Savitribai Phule's birth anniversary.

**4. Extension Activities** - The College has been conducting many extension activities to provide a platform for the students to learn and hone their skills. There is a representation of female students in all the student bodies such as NCC, NSS, DLLE, Sports, Students' Council, Rotaract Club of the College, Placement Cell, Arts Circle. etc.

**5. Safety and Security Measures** – The campus has 338 CCTV cameras for 24x7 surveillance, strategically placed. Specially appointed security personnel, including female guards, ensure safety, with a Police Checkpoint near the college entrance for added security.

**6. Day Care Facility** - The Management offers a daycare facility on the campus for the children of the staff as a part of collective care to support the staff.

**7. Other facilities** – 04 Common rooms for girls and 02 for boys are available at different locations. Ladies’ washrooms are equipped with PadCare sanitary napkin disposal bins, and sanitary napkin vending machines in addition to the basic amenities. In addition to a well-equipped medical room with a trained staff nurse, all the staffrooms in the New Building are equipped with a sick bed to cater to medical emergencies.

03 Counsellors and a Psychiatrist at MPower Counselling Cell, provide mental healthcare services and ensure wellbeing of all the stakeholders.

The College has a tie-up with AYUSH Hospital, which assists all the stakeholders in receiving quality healthcare services, in addition to Century Rayon Hospital.

Through these practices, the College has made continuous and conscious efforts and provides a gender-neutral environment, where everyone respects each other.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

**7.1.2**

*The Institution has facilities for alternate sources of energy and energy conservation measures*

- 1. Solar energy**
- 2. Biogas plant**
- 3. Wheeling to the Grid**
- 4. Sensor-based energy conservation**
- 5. Use of LED bulbs/ power efficient equipment**
- 6. Wind mill or any other clean green energy**

**Response:** A. Any 4 or more of the above

File Description	Document
Permission document for connecting to the grid from the Government/ Electricity authority	<a href="#">View Document</a>
Geo-tagged photographs of the facilities.	<a href="#">View Document</a>
Bills for the purchase of equipment's for the facilities created under this metric	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 7.1.3

**Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)**

- **Solid waste management**
- **Liquid waste management**
- **Biomedical waste management**
- **e-Waste management**
- **Waste recycling system**
- **Hazardous chemicals and radioactive waste management**

#### **Response:**

The College strives to achieve the goal of a 'Zero Waste' campus.

#### **Solid Waste Management –**

- Dry and wet waste bins at various locations.
- Biodegradable waste treated by bio-composting, vermicomposting, and biogas generation.
- Bio-composting and Vermicomposting convert dried organic waste to compost. On average 1,800 kgs/year of bio-compost and 500 kgs/year of vermicompost are generated and used as organic fertilizer on the campus. It leads to saving of one LPG cylinder per month and 1.15tonnes/yr CO<sub>2</sub> emission reduction.
- A Biogas plant consisting of 6500L digester, 4000L gas holder and 1000L pre-digester has been installed near the canteen. It leads to the saving of one LPG cylinder per month and 2.45tonnes/yr CO<sub>2</sub> emission reduction.
- A small biogas plant with a capacity of 200 litres, assembled by one of the support staff has been set up near the pantry used for general purpose use.
- **Plastic Waste Management:** The College strives to minimize plastic use on campus and has

collaborated with 'Project Mumbai' for recycling it. In exchange for 1045 kgs of plastic waste, the College received two benches to sensitize stakeholders to responsible plastic usage.

- Paper Waste Management: The College has taken the following steps to optimize paper usage:
  - e-Content and e-Notices to the students
  - Duplex Printing on paper.
  - e-Books and e-Journals in library.
  - Communication of Green Initiatives through QR codes, placed at various locations.
  - Reusing/recycling of old papers/ scrap.
  - Workshops for making paper/cloth bags, etc.

#### **Liquid Waste Management –**

A 300 KLD STP has been installed on the campus for treatment of sewage from all sources.

The STP has the following processes:

- Preliminary treatment consisting of bar screen chamber, oil and grease trap.
- Primary and biological treatment consisting of MBBR, (PVA gel technology), anoxic treatment, activated sludge process.
- Tertiary treatment by media filtration (pressure sand filter and activated carbon filter).

The treated water is reused for flushing in washrooms and for gardening.

A 20 KLD ETP has been installed on the campus. Laboratory effluent (containing acids, alkalis, other chemicals etc.) is neutralized and treated in primary clarifier. Pre-treated effluent from ETP is treated in the STP. Approximately 30 KL water is recycled per day.

**Biomedical Waste Management** – The College partnered with 'PadCare' to place sanitary pad collection bins in all ladies' washrooms. PadCare's technology ensures safe and hygienic disposal, with recycled pads used for items like paper and plant pots making. Approximately 22.97 kg per quarter of sanitary pads had been collected, conserving 50 kg per quarter of carbon equivalent.

**E-Waste Management-** E-waste has been collected and sent to recycling agents, who ensure that e-waste has been recycled in a scientific manner. An E-waste of worth Rs. 70,800 was disposed of in August 2023 and E-waste of 500 Kgs was disposed of in 2020 to a recycling agency.

**Hazardous Waste Management-** Microbial waste from the Department of Biological Sciences labs is

autoclaved/sterilized before disposal.

The College has created an environment sustainability conscious campus in alignment with UNSDGs.

File Description	Document
Any other relevant information	<a href="#">View Document</a>
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View Document</a>
Geo-tagged photographs of the facilities	<a href="#">View Document</a>

#### 7.1.4

##### Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

**Response:** A. Any 4 or more of the above

File Description	Document
Green audit reports on water conservation by recognised bodies	<a href="#">View Document</a>
Geo-tagged photographs of the facilities	<a href="#">View Document</a>
Bills for the purchase of equipment's for the facilities created under this metric	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

#### 7.1.5

##### Green campus initiatives include

**Describe the Green campus initiative of the institution including Restricted entry of automobiles, Use of Bicycles/ Battery powered vehicles , Pedestrian Friendly pathways , Ban on use of Plastic, landscaping with trees and plants etc in 500 words**

**Response:**

The College is spread over 20 acres of land (including B. K. Birla Public School) in the prime location of Kalyan City. The management, students, and staff consistently work towards maintaining an eco-friendly campus.

The Green Campus initiatives include the following:

**Restricted entry of Automobiles:**

- Entry of vehicles has been restricted on the campus. A separate parking facility is provided for students and staff within the campus.
- The College observes 'No Vehicle Day' periodically to create awareness for the conservation of energy and to reduce CO<sub>2</sub> emissions. 836.15tonnes/yr CO<sub>2</sub> emissions have been reduced due to the observation of 'No Vehicle Day.'
- Students/Staff use public transport and staff members practice carpooling/autorickshaw ride-share for travel to college.

**Use of Bicycles:**

- The students have been encouraged to use bicycles.
- Bicycles sponsored by the College authorities and faculty members have been provided to needy students.
- Bicycles have been made available at a few locations for easy movement of staff and students within the campus.
- Cycle Rally has been organized to promote awareness about the benefits of using bicycles thus reducing environmental pollution.

**Pedestrian-friendly pathways:**

The College has pedestrian-friendly pathways within its premises, with shade of trees on both sides and with proper boundaries.

**Ban on use of single-use plastic:**

The College has banned single-use plastic and its disposal on the campus. 'No Plastic Zone' signage has been strategically placed around the college premises to promote a plastic-free environment. 'Plastic collection drives' have been organized to enforce the recycling of plastic.

**Green Cover**

Around 49.53% of the campus area has been under Green Cover. Apart from the Green cover, numerous vertical and linear potted plants add to the green initiatives. There are around 400+ trees within the college campus. The College campus is lush green with trees, herbs/shrubs, potted outdoor/indoor plants, polyhouses, vegetable garden, biodiversity park and vertical gardens. A Seed Bank provides seeds collected from various locations. These initiatives improve the campus aesthetics and help as a buffer in reducing noise level and in maintaining the temperature within the campus.

As per the Green Belt MoU (Memorandum of Understanding), Century Rayon Company provides financial assistance for the maintenance of Green Cover of the college campus, under their CSR activities.

The faculty and students have developed a working model of ‘Savonius Wind turbine’ designed in AutoCAD using 3D printing Technology to generate a power of 50 Watts.

The area surrounding the library has been developed into a collaborative learning space which includes 02 gazebos and a green reading room.

‘Nature Club’ organizes a Nature Walk every year. Naturalists/Birders have been invited to guide the students through the nature trail. Students participate in innovative workshops, competitions, and campaigns like ‘Rose Show’, ‘Millet Fiesta’, ‘Vriksha Dindi,’ tree plantation drives, cleanliness drives, water analysis, and making of Eco-friendly Ganpati Idol’, etc. every year to create awareness about environmental conservation.

The total CO2 emission reduction due to all green initiatives achieved is 365.38 tonnes of CO2 e/year.

Thus, the College has been progressively working towards sustainable development based on ease of mobility, eco-friendly and relatively carbon neutral campus.

File Description	Document
Policy document on the green campus/plastic free campus	<a href="#">View Document</a>
Geo-tagged photographs/videos of the facilities	<a href="#">View Document</a>
Circulars and report of activities for the implementation of the initiatives document	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 7.1.6

**Quality audits on environment and energy are regularly undertaken by the institution**

**The institutional environment and energy initiatives are confirmed through the following**

1. Green audit / Environmental audit
2. Energy audit
3. Clean and green campus recognitions/awards
4. Beyond the campus environmental promotion and sustainability activities

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

File Description	Document
Report on environmental promotion and sustainability activities conducted beyond the campus with geo-tagged photographs with caption and date.	<a href="#">View Document</a>
Policy document on environment and energy usage Certificate from the auditing agency	<a href="#">View Document</a>
Green audit/environmental audit report from recognized bodies	<a href="#">View Document</a>
Certificates of the awards received from recognized agency (if any).	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 7.1.7

*The Institution has Differently-abled (Divyangjan) friendly, barrier free environment*

*Write description covering the various components of barrier free environment in your institution in maximum of 500 words*

- **Built environment with Ramps/lifts for easy access to classrooms**
- **Divyangjan friendly washrooms**
- **Signage including tactile path, lights, display boards and signposts**
- **Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment**
- **Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading material, screen reading**

**Response:**

The College provides equal opportunity to all students to pursue their education irrespective of their physical abilities. The College provides the necessary help and support to specially-abled students through a multi-pronged approach –

**1. Accessibility**–The College has taken several measures to enhance the safety, and accessibility of its facilities:

- **Well-lit Staircases:** The College has well-lit staircases, ensuring proper illumination for the safety and convenience of all.

- **Ramps for Divyangjan:** The College has put up ramps to cater to the needs of differently abled individuals, providing a barrier-free path to access different areas within the campus.

- **Elevator Access:** Access to classrooms located on the higher floors of the IT building is facilitated through a well-functioning elevator, making it easier for *Divyangjan* students, staff, and visitors to reach the classrooms and laboratories.

**2. Health & Hygiene**–07 Exclusive washrooms for specially abled persons are made available on the campus.

**3. Signage**–For specially-abled persons, the display boards and signages are displayed near entry gates, washrooms and in the parking area.

**4. Assistive Technology and Facilities**–To promote inclusivity and enhance the learning experience of specially-abled students, the Central Library has set up assistive technologies for visually impaired students. These include tools and equipment like two dedicated computers installed with the following software:

- JAWS (Job Access With Speech) screen reading software.

- ZoomText screen magnification cum reader software.

- Hindi or Marathi OCR Software aids in scanning and reading Hindi or Marathi language text.

- Pearl Portable Instant Hi-speed reader with Open Book Scanning & Reading Software aids in scanning and reading of printed English books, magazines, newspapers, etc. for blind knowing computers.

- Acrobat Mini Desk top Video Magnifier aids in reading printed or handwritten books and manuscripts graphics photos in any language by partially blind individuals.

- Angel India Online Daisy Player aids in recording lectures, and notes for blind students.

The facility of wheelchairs has been made available at the entrance with signage. The IT building entrance has been provided with a railing to provide support and assistance if required.

**5. Provision for enquiry and information**–The main building houses an Enquiry Counter for visitor assistance, managed by a full-time receptionist with an EPABX system for effective communication. The institutional website provides information on facilities for specially abled individuals, including contact details of Vice-Principals and Heads of Departments. Information is disseminated through social media and official communication via WhatsApp.

**6. Assistance during Examinations**–The College supports *Divyangjan* students during examinations, by providing student scribes when needed and granting an additional 30 minutes. This ensures that specially abled students have an equal and fair opportunity to excel in their exams. The seating arrangement of the *Divyangjan* student is made in the classes on the ground floor to ensure ease of accessibility.

The college is on the path of academic excellence with an integral commitment to providing a safe, trustworthy and barrier-free environment for specially abled students.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide the link for additional information	<a href="#">View Document</a>

### 7.1.8

**Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and such other diversities (within 500 words).**

#### Response:

The College believes in the inclusivity of cultural, regional, linguistic, and other diversities in its academia and administration. The College caters to students belonging to various socio-economic, linguistic, religious, and cultural backgrounds of the neighbouring urban and rural areas.

The College ensures a transparent, merit-based admission process, following government rules, and admits eligible students irrespective of diversity. Adhering to the Admission Policy, it cultivates a vibrant and inclusive learning environment. The College follows the reservation policy of Government of Maharashtra for social and economic inclusion and admits students from Jammu and Kashmir under the Prime Minister's Special Scholarship Scheme.

The curriculum of Social Sciences and Humanities programmes have exclusive courses that teach tolerance and harmony towards all diversities. In Foundation Course, inclusion, harmony, fraternity, and unity are taught to all streams.

The College believes in the concept of '*Vasudhaiva Kutumbakam*'. The College ensures cultural inclusion through the celebration of traditional days and festivities like *Ganesh Chaturthi*, *Navaratri*, Christmas, *Onam*, *Guru Pournima*, *Raksha Bandhan*, *Chhatrapati Shivaji Maharaj Jayanti*, *Dr. Babasaheb Ambedkar Jayanti*, etc. Several centers, forums, clubs, cells like WDC and WSC organize *Garba* workshop, celebrate *Bhondla* and *Haldi-Kukum*, etc. every year.

The Faculty of Arts offers few programmes in bilingual mode. Bridge Courses/ Orientation Programs/ Remedial sessions are organized in a multi-lingual manner. Short term courses in Spoken English, *Saral Hindi* and *Sugam Marathi* are offered. The College had conducted certificate courses in Modi, Pali, and Sanskrit languages. English Literary Association, *Hindi Sahitya Mandal*, and *Marathi Vangmay Mandal* organize various activities for the strengthening and promotion of these languages.

*Bhasha Divas* is celebrated by the various literary departments for the preservation and promotion of linguistic diversity. The Centre for Foreign Languages offers short term certificate courses to promote languages like French, German, Spanish, Mandarin, and Japanese.

Birlaite - the annual magazine of the college features many articles and poems in English, Hindi, and Marathi, providing a platform for students and teachers to express their thoughts.

Events such as *Gyaan Dindi* and *Vriksh Dindi* have proven to be significant in spreading awareness about the prevention of the environment. The students enrolled under the Rotaract Club of B. K. Birla College, NCC, NSS, and DLLE constantly engage in various community service activities to enhance communal harmony. Peace March is organized by the Gandhian Studies Centre annually on 2nd October.

The College strictly follows a 'No Donation Policy' during admissions and offers government and management scholarships. Economically weaker students receive fee concessions and flexible payment options. Amidst the pandemic, the college offered fee concessions to all students. An 'Earn and Learn' program was introduced for needy students to earn a stipend while studying.

The College also provides books to needy students. The provision of railway and bus travel concession is available for the students.

The college has been pursuing the cause of cultivating an inclusive environment for an empathetic and holistic development of students.

File Description	Document
Any other relevant information	<a href="#">View Document</a>
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View Document</a>

### 7.1.9

***Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens***

**Describe the various activities in the Institution for inculcating values for being responsible citizens as reflected in the Constitution of India within 500 words.**

**Response:**

The Vision and Mission of the College are in consonance with the principles enshrined in the Indian Constitution.

The College sensitizes its students and employees towards constitutional duties through the following-

The College disseminates information and creates awareness through its academics. There are courses on constitutional values in the UG (Philosophy) and UG & PG programs of Political Science.

The constitutional values and the significance of knowing our rights and duties are explicitly integrated in Foundation Course, common to all the faculties.

The College organizes varied activities to inculcate patriotism, respect, and unity amongst all the stakeholders on days of national significance i.e. Independence Day, Republic Day, Constitution Day, Maharashtra Day, Kargil Vijay Diwas, Gandhi Jayanti, Dr. Babasaheb Ambedkar Jayanti, Youth Day, etc. Various departments also celebrate days like World Environment Day, World Ozone Day, Shiv Swarajya Din, etc.

On 26th November, the College commemorates Constitution Day. Teachers and students recite the Preamble of the Indian Constitution in the Open-air Lawn, in classrooms, library, and other administrative premises. On the occasion, various activities are conducted which include recitation of Fundamental Duties, and seminars as well as discussions on constitutional ideals. The Preamble is displayed on notice boards.

For the actualization of constitutional values, the College has established the GSC and ASC. These centers have organized seminars, workshops, and programs regarding Gandhiji and Dr. Ambedkar's thoughts and values. Besides these, different departments have organized webinars and seminars on human rights, constitutional values, duties of citizens, etc.

The College caters to several first-generation students belonging to rural and tribal areas. The College, in collaboration with eminent academic institutions/associations/government departments, has conducted various events pertaining to inclusiveness, value inculcation, fundamental rights and duties, etc.

The college has organized webinars for creating awareness and preventive measures to be taken care of during COVID-19, in collaboration with IMA. A special task force of doctors and police officers disseminated information about the 'Awareness, Prevention and Treatment of COVID-19'.

A special 24x7 toll-free helpline was initiated by MPower Counselling Cell to provide support and care to the students during the COVID-19 period.

Post-pandemic, the MPower Counselling Cell has been prominently working towards the need for adjustment of the students in the changing times.

NCC Cadets, NSS volunteers and Rotaractors of B. K. Birla College regularly organise and participate in

various activities and workshops related to Yoga, Disaster Management, self-defence, and cleanliness drives. They also participate in necessity provision relief and aid camps, village adoption, health check-up camps, etc.

The DMS along with Public Concern Governance Trust had hosted sessions by eminent speakers highlighting the importance of communal harmony, constitution literacy, ethics in governance, etc.

The College on various occasions, has collaborated with the Police Department, KDMC, Thane Police Commissionerate, Nair Hospital Blood Bank, Mumbai, to organize programs on safety and security, cyber-crime, blood donation, etc.

Thus, the college has been aligning its academic and administrative processes with its vision and mission to enable students to be the responsible citizens of the nation.

File Description	Document
Any other relevant information	<a href="#">View Document</a>
Details of activities that inculcate values necessary to nurture students to become responsible citizens	<a href="#">View Document</a>

#### 7.1.10

**The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.**

- 1. The institutional Code of Conduct principles are displayed on the website**
- 2. There is a committee to monitor adherence to the institutional Code of Conduct principles**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

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

<b>File Description</b>	<b>Document</b>
Report on the student attributes facilitated by the Institution	<a href="#">View Document</a>
Policy document on code of ethics.	<a href="#">View Document</a>
Handbooks, manuals and brochures on human values and professional ethics	<a href="#">View Document</a>
Document showing the Code of Conduct for students, teachers, governing body and administration as approved by the competent authority.	<a href="#">View Document</a>
Constitution and proceedings of the monitoring committee.	<a href="#">View Document</a>
Circulars and geo-tagged photographs with date and caption of the activities organized under this metric for teachers, students, administrators and other staff	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 7.2 Best Practices

### 7.2.1

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

**Response:**

#### **Best Practice : II**

##### **Developing Campus Adequacy**

The college remains committed to provide best of the infrastructure-physical, digital and green, to excel in teaching-learning process and holistic development.

##### **Objectives**

- To upgrade the physical infrastructure classroom, laboratories, library, Sports, Gymkhana,

Student Support Services, etc.

- To enhance ICT enabled digital infrastructure through implementation of ERP, data security, automation, digital integration through ILMS and CCTV surveillance
- To undertake green initiatives and to create awareness for green campus, green library, UNSDG's, sustainable campus by using renewable energy(solar panels), effective water/wastewater treatment and solid waste disposal methods

### Context

College initiated a comprehensive physical, digital and green infrastructure to develop adequacy for provision of ambience, technology and green cover to promote sustainability.

### The Practice

College plans and allocates the required budget and other resources for the development and maintenance of the tangible facilities. Classrooms and laboratory facilities are equipped with the necessary audio-visual teaching aids. College houses a seminar hall, an open auditorium Sports and Gymkhana, parking space. The library includes collaborative learning space, Green Reading Room, well-stocked Books, Book-Port facility, etc.

#### • Physical Infrastructure

- Campus security- security personnel, 338 CCTV cameras, 88 Fire Extinguishers, automated tripod turnstile gates, visitors management system
- Support facilities- Canteen, potable water treatment plant and water coolers, housekeeping, clean and well-maintained washrooms and toilets.

- **Digital Infrastructure-** Microsoft 365 licenced tools, cloud-based ERP System, WiFi/LAN (300MBPS), projectors, Smart boards with digital podiums, interactive panels, hybrid classrooms, etc.

- **Green Infrastructure-** Tree-plantation drives, maintenance of the green campus(green houses, biodiversity park, vegetable garden), Solar panels(ongrid and offgrid), AC's with sensors and signages for conservation of energy, Sanitary padcare bins for recycling, Management of water, wastewater, rainwater harvesting, canteen waste(bio-gas), biomedical waste and plastic waste, solid waste(vermicomposting/bio composting), paper, etc.

### Evidence of success

	Physical	Digital	Green
1	Construction of a new G+3 building, covering 55,000 sq. ft.,	Integration of Microsoft 365 licences	installed solar panels and energy saving devices
2	34 smart classrooms.	300MBPS (200+100) lease line for internet connectivity	A 300 KLD-STP, 20 KLD-ETP to treat wastewater
3	952 systems(Desktops/lap	Installation of 338 CCTV	Four scientifically

	tops)	cameras	designed Rainwater Harvesting Systems
4	Green Reading Room, Gazebo and Giant Chess Board	ADMI, RESO Software and MasterSoft ERP System.	Three vermi-composting pits and a biocomposting unit
5	various labs like IOT and Robotics lab, Animation Lab, E-yantra lab.	Cloud-based Libsys10ILMS and LSDiscovery services.	49.53% of green cover. Minimising the paper waste and reducing approximately 365tonnes/yr CO <sub>2</sub> e of carbon emissions
6	Construction of MPower Cell	Computers upgraded with recent hardware and software	Plastic waste collection drive. Two benches received from recycled plastic

**Problems encountered and resources required.**

- Additional infrastructure
- Effective utilization of physical and digital resources.
- Funding from government agencies

**Notes**

The college has enhanced its physical and digital infrastructure while undertaking green initiatives reflecting the institution's commitment in providing innovative developmental ecosystem for all stakeholders.

**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:**

**Nexus of Contemporary and Conventional Approaches for Holistic Development: Shaping Futures at B. K. Birla College**

B.K.Birla College of Arts, Science and Commerce, Kalyan, a multi-faculty premier institution of higher learning, was established in 1972, by Kalyan Citizens' Education Society with the blessings of Syt. B.K.Birlaji and Smt. Saralaji Birla.

The college is affiliated to UoM and offers 33UG, 34PG and 9Ph.D. Programmes, with an enrollment of 8,700+ students.

The College has made remarkable progress during the last 51 years, and has become a nodal center, that enables students to be intellectually alive and socially responsible citizens. The governance and leadership structure of the College resonates with vision and mission.

The ecosystem of the College equips students to excel personally, professionally, and socially, enabling them to be excellent human resources, guided by the timeless values of our patrons-*Simplicity, Humility, and Humanity*.

The College primarily focuses on the Holistic Development of students and achieves it through the following 03 approaches –

### **1.Nurturing Academic Excellence**

Over the past five decades, the College has grown exponentially, expanding from offering 03 traditional programs in 1972 to 33UG, 34PG and 09 Ph.D. programs in 2022-23

The College admits students from diverse backgrounds (linguistic, economic, social, cultural, etc.). The College offers equitable learning opportunities to all students. The academic flexibility brought about by autonomy has resulted in curriculum revision in the light of vision and mission, global and stakeholder's needs, and graduate attributes. College achieves the learning outcomes to inculcate graduate attributes through experiential learning(simulations, research projects, field visits, etc.), participative learning(flipped classrooms, presentations, quiz etc.); and problem solving(Case studies, inquiry-based learning, etc.) Departments host academic fests(Inter-Collegiate Science Fest-Pravah, Intra-College festivals: Commergence, Management Day, etc.) for experiential learning.

Our Chief Patron, Padma Bhushan Smt. Rajashreeji Birla and Dr. Smt. Neerjaji Birla have visited the college and lauded our efforts and appreciated the progress of the college.

Eminent academicians, Scientists and other distinguished personalities (Padma Vibhushan(Prof. M.M.Sharma, Prof. Anil Kakodkar), Padma Shri(Prof. G.D.Yadav, Prof. Ramkrishna Hosur, Prof. Deepak Pathak, Dr. Sharad Kale, Dr. Girish Prabhune, Ms.Dipa Karmakar, Dr. Prakash Baba Amte), Magsaysay Awardee(Dr. Rajendra Singh, Mr. Sonam Wangchuk, Dr. Bharat Vatwani) Hon'ble Vice Chancellor Prof. R.D.Kulkarni, Pro Vice-Chancellor Prof. Ajay Bhamre), have enriched the learnings of all stakeholders.

The College has adequate digital infrastructure(Computer labs, Animation lab, e-Yantra lab, 3D lab, Media lab, Hybrid and Smart Classrooms, ERP, etc.), supported by 200 MBPS+100 MBPS fiber optics internet, e-library, etc. for ICT-driven teaching-learning process.

### **1.Skill Development**

Skill enhancement has been achieved through academics and extension activities. College has introduced new age programs/courses at UG, PG, Diploma, and Certificate courses(with additional credits) to enhance abilities, skills, and knowledge. Students are encouraged to enrol for additional courses like SWAYAM-NPTEL, MOOCs, MKCL, IIT Spoken tutorial etc. through the online mode to earn

additional credits.

College encourages faculty members & students to promote research culture and creates curiosity, inquiry, critical & analytical thinking in the pursuit of knowledge. The college has 23 Research Guides. Faculty members have been sanctioned 33 Major and Minor Research Projects and have contributed 482 research publications, 34 Patents, 284 books/chapters/articles, etc. during last five years.

The college organises Students' Research Conference in management every year since 2016-17 and motivates students to participate in

- Aavishkar,(Inter-Collegiate/Institute/Department Research Convention, UoM);
- International Economics Convention
- The Asia-Pacific Business Research Conference, etc.

The College organises various activities under NCC/NSS/DLLE/Rotaract Club to inculcate life skills, cognitive skills, and motivate the students for selfless service. The college has organised numerous extension activities namely Unnat Bharat Abhiyan, Blood Donation Camps, Voter Awareness Drives, Tree-Plantation Drives, contributions to Flood Relief Camps, visits to old age homes, food, and clothes/student kits-donation drives in adopted villages, etc. for fostering life skills amongst the students.

The College has adequate sports facilities, including chess, table tennis, cricket, football, well-equipped air-conditioned gym, etc. The students have showcased exceptional skill, dedication, and success in various sports events, marking their achievements at University, National and International level. College has been ranked 4th in UoM for A.Y.2018-19 and during last five years. College has organized 'All-India Inter-University Rugby Championship(Men and Women)' (April 2022); West Zone inter-University Tennis(Men) Tournament(Nov. 2022), etc.

Arts Circle provides an engaging platform for students to showcase and refine their talents,contributing to students' holistic development. The students have achieved numerous awards and recognition. Events like Birlotsav, Talent Hunt, Golden Jubilee Celebrations, Parivartan, etc. are organised to foster creativity, teamwork, and to hone their talent.

### **1. Healthy Body & Mind**

College ensures the physical and mental fitness of the students emphasising on the wellbeing of all stakeholders. Yoga and fitness sessions are organised to maintain stress free and physical flexibility. Gymkhana provides training a team of yoga enthusiasts for participation in competitive events, students have won numerous medals at the university level in yoga. A certificate course on Yoga is designed for providing knowledge of various yoga poses and its benefit in one's health.

The College has a medical room facility for stakeholders, with a full time trained nurse . There are first aid kits in the departments and sick beds in few departments for any medical emergency. Medical assistance is also accessible at Century Rayon Hospital and Ayush Hospital.

In the wake of the pandemic, there has been a growing recognition of the significance of mental health and its well-being. Faculty members guided and counselled the students.

Mpower, an initiative by Aditya Birla Education Trust has established Mpower Counselling Cell on 17th

February 2021 in the campus realizing the importance and need for Mental Healthcare Solutions. It works on different ground realities faced by the individuals to break the stigma attached to mental health. MPowerCell has catered to the needs of more than 13,000+ students and 300+ faculty members, staff and their families free of cost. Various webinars/sessions were organized relating to general mental health for creating awareness about mental health. College participated in various activities such as Tata Marathon, World Mental Health Day, etc. college is planning to expand the services of MPower Cell to other educational institutions in the vicinity. This demonstrates commitment to promoting physical and mental well-being among students and staff.

Every action at the College, is a testament to the commitment of higher education and quest for excellence.

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

## 5. CONCLUSION

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### Additional Information :

The College, jointly with IAS, Shimla organized a 2-Day Workshop on ‘Autonomous Colleges in India: The Road Ahead’ at Century Bhavan, Mumbai (7th-8th January, 2020).

Hon’ble Governor of Maharashtra, Shri Bhagat Singh Koshyari ji was Chief Guest and delivered the inaugural address. 100+ participants including 18 Autonomous Colleges across the Country, 11 from Maharashtra and UoM, participated and shared their Best Practices and suggestions for future growth. Eminent Experts from Academics, officials from Government and UGC have guided the workshop. The 2 - Day deliberations culminated in addressing key issues that were collated and presented to the higher authorities.

The College has celebrated its Golden Jubilee (17th June 2021 to 16th June 2022) and Birth Centenary Year of our Founder Shri B. K. Birla ji (12th Jan. 2021 to 11th Jan. 2022). Our Chief Patron, Padma Bhushan Smt. Rajashree ji Birla, Chairperson, Aditya Birla Centre for Community Initiatives and Rural Development, has inaugurated the celebrations and appreciated our efforts.

As one of the activities, planned for the year, ‘BKBCCK - Expressions’ series was conceptualized to provide a platform for our former and present colleagues, eminent academicians to share, care and celebrate. The former and present colleagues and members of the Management, Alumni, etc. were invited to this series. On each working day, an individual associated with the College, shared his / her life enriching experiences at the college (4.00-5.00pm) on online mode. 252 Expression Lectures were held from 18th June 2021 to 15th June 2022.

A Postal Stamp was released with the College logo and photo of Shri B. K. Birla ji at the gracious hands of Shri Bhagat Singhji Koshyari, Hon’ble Governor of Maharashtra and Padma Bhushan Smt. Rajashree ji Birla, our Chief Patron, on 14 October, 2021 at Raj Bhavan, Mumbai to commemorate the Golden Jubilee.

The College remains committed to the cause of higher education.

### Concluding Remarks :

The quest for excellence in all spheres of academics, research, extension, and administration is a continual journey, transforming all the processes periodically. The visionary management functions with a participatory approach. Deliberations at various levels culminate in strategic planning and implementation of significant areas of enhancement, as per the needs of educational diaspora. Feed forward mechanism is employed to formulate, and sketch-out the vision and translate to action. All stakeholders bring in valuable insights about areas of incremental growth and proactive action required for compliance.

The development of the college is imbued with the human values of our founding Patrons—*Simplicity, Humility and Humanity*. Yet the college has been striding into the innovative domains of disruptive technologies-based programs, remaining rooted in the traditional programs. Emerging pedagogical approaches are integrated into teaching- learning and evaluation process with focus on outcome-based education.

Research temperament inculcation has been intrinsic to education and continual improvement in research, innovation and incubation. Human values- empathy, environmental responsibility, constitutional values, etc. are

key attributes inculcated amongst students through activities undertaken by NCC/NSS/ WDC/WSC/DLLE, etc.

ICT-enabled teaching–learning has been significantly improved by provision of smart classrooms, Media Lab, 3D lab, etc. improved to keep pace with the digital world. Additional physical and digital infrastructure has been developed to fulfill the incremental need of academic progress.

Alumni association has been proactively contributing to the student enrichment process in Cash and kind. Students' Council serves as an important vertical contributing immensely as communication channel between students and teachers and management.

The quest for quality is a relentless process with all aspects of education being reviewed periodically and strengthened with every constructive criticism utilized for betterment.

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																																								
1.2.1	<p><b>Percentage of new courses introduced out of the total number of courses across all programmes offered during the last five years</b></p> <p><b>1.2.1.1. Number of new courses introduced during the last five years:</b>            Answer before DVV Verification : 757            Answer after DVV Verification: 625</p> <p><b>1.2.1.2. Consolidated number of courses offered by the institution across all Programmes (without repeat count) during the last five years :</b>            Answer before DVV Verification : 1838            Answer after DVV Verification: 1838</p> <p>Remark : DVV has made changes as per prescribed format shared by HEI and values have been downgraded in 1.2.1 due to repetitive names.</p>																																								
2.1.1	<p><b>Enrolment percentage</b></p> <p><b>2.1.1.1. Number of seats filled year wise during last five years (Only first year admissions to be considered)</b>            Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>3529</td> <td>3388</td> <td>2898</td> <td>2811</td> <td>2617</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>3529</td> <td>3388</td> <td>2898</td> <td>2792</td> <td>2616</td> </tr> </tbody> </table> <p><b>2.1.1.2. Number of sanctioned seats year wise during last five years</b>            Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>4212</td> <td>4121</td> <td>3304</td> <td>3190</td> <td>2892</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>4249</td> <td>4123</td> <td>3304</td> <td>3192</td> <td>2899</td> </tr> </tbody> </table> <p>Remark : DVV has made changes as per supporting's shared by HEI.</p>	2022-23	2021-22	2020-21	2019-20	2018-19	3529	3388	2898	2811	2617	2022-23	2021-22	2020-21	2019-20	2018-19	3529	3388	2898	2792	2616	2022-23	2021-22	2020-21	2019-20	2018-19	4212	4121	3304	3190	2892	2022-23	2021-22	2020-21	2019-20	2018-19	4249	4123	3304	3192	2899
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2.4.1	<p><b>Average percentage of full time teachers appointed against the number of sanctioned posts year wise during the last five years</b></p>																																								

**2.4.1.1. Number of sanctioned posts year wise during the last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
104	104	104	104	104

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
104	90	91	94	91

Remark : DVV has made changes as per prescribed format shared by HEI.

3.1.2

**The institution provides seed money to its teachers for research****3.1.2.1. Amount of seed money provided by institution to its teachers for research year wise during last five years (INR in lakhs)**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
36.46813	3.956	0.25	1.13	1.91250

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
25.11	0	0	0	0

Remark : DVV has made necessary changes as per supportings shared by HEI Seed money less than one lakh per faculty will not be considered as per SOP which has been excluded

3.1.3

**Percentage of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the last five years****3.1.3.1. Number of teachers who received national/international fellowship /financial support by various agencies, for advanced studies / research; year-wise during the last five years**

Answer before DVV Verification : 34

Answer after DVV Verification: 0

Remark : DVV has made changes as per prescribed format shared by HEI and values have been downgraded due to repetitive names.

3.7.1

**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**

Answer before DVV Verification :

Answer After DVV Verification :31

Remark : DVV has made changes as per prescribed format shared by HEI and values have been downgraded as we have excluded MOU less than 5 days

**4.1.2 Percentage of expenditure excluding salary, for infrastructure development and augmentation year wise during the last five years**

**4.1.2.1. Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
954.82	811.34	895.40	358.13	326.25

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
355.38	152.45	90.91	282.95	208.89

Remark : DVV has made necessary changes as per supporting's shared by HEI and values have been modified as we have considered Expenditure on construction of building/ purchase of Lab equipment's / academic equipment's / furniture & fixtures/vehicle to be considered during assessment period as per SOP

**4.4.1 Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years**

**4.4.1.1. Expenditure incurred on maintenance of physical facilities and academic support facilities of DDE and total expenditure excluding salary, year - wise, over the last five years (INR in lakhs)**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
701.61	349.08	288.77	386.63	426.38

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
4.25	1.64	1.65	0.00	1.64

Remark : DVV has made changes as per audit report shared by HEI and values have been modified as we consider only maintenance of physical and academic support facilities.

**5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at University / state /national / international Level events during the last five years**

**5.3.1.1. Number of awards/medals for outstanding performance in sports/cultural activities at University / state / national / international level events (award for a team event should be**

**counted as one) year wise during last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
24	18	01	13	16

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
22	13	01	10	11

Remark : DVV has made changes as per prescribed format shared by HEI and values have been downgraded as we considered team event count as one and have excluded participation and runnerups.

5.4.1 **Total Amount of alumni contribution during the last five years (INR in lakhs) to the institution through registered Alumni association:**

5.4.1.1. **Total Amount of alumni contribution during the last five years (INR in lakhs) to the institution year wise through registered Alumni association:**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
50.33459	0.10200	0.15750	0.17250	0.29750

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
49.43	0.10	0.15	0.17	0.29

Remark : DVV has made changes as per supporting's shared by HEI

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

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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
78	46	12	64	67

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19

08	14	05	23	56
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Remark : DVV has made necessary changes as per prescribed format shared by HEI

## 2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p><b>Number of full time teachers year wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>104</td> <td>90</td> <td>92</td> <td>94</td> <td>91</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>89</td> <td>91</td> <td>94</td> <td>91</td> </tr> </tbody> </table>	2022-23	2021-22	2020-21	2019-20	2018-19	104	90	92	94	91	2022-23	2021-22	2020-21	2019-20	2018-19	103	89	91	94	91
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103	89	91	94	91																	
2.1	<p><b>Total expenditure excluding salary year wise during the last five years (INR in lakhs)</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>1934.27</td> <td>1449.30</td> <td>1360.58</td> <td>904.93</td> <td>886.45</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>1571.25</td> <td>1831.43</td> <td>1186.60</td> <td>1788.86</td> <td>932.46</td> </tr> </tbody> </table>	2022-23	2021-22	2020-21	2019-20	2018-19	1934.27	1449.30	1360.58	904.93	886.45	2022-23	2021-22	2020-21	2019-20	2018-19	1571.25	1831.43	1186.60	1788.86	932.46
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1571.25	1831.43	1186.60	1788.86	932.46																	



**3.3.1 - Institution has created an ecosystem for innovations, Indian Knowledge System (IKS) including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/ technology and the outcomes of the same are evident.**

**Response:**

College provides conducive ecosystem for stakeholders to ideate and create innovative ideas, IPR or entrepreneurial ventures.

Hon'ble Prime Minister Shri Narendra Modi has inaugurated online Entrepreneurship Cell and Skill Hub, under RUSA, to encourage and guide budding entrepreneurs.

College IPR Cell, Innovation and Incubation Cell work synergistically to organize invited sessions to propagate innovation, intellectual property development, etc.

Research Committee develops scientific temperament, curiosity, and experimentation ability, to encourage faculty members to pursue research for Ph.D. degree and/or apply to research funding agencies. Management encourages faculty members to pursue research and provides Seed Money.

DBT has granted STAR Status to the departments of Botany, Chemistry, Physics, Microbiology, Zoology and STAR Scheme to Mathematics, CS, and IT (2017-20) with financial support, ingraining interdisciplinary, boundaryless scientific approach in students.

Sessions by experts from Industry, Academia, and Illustrious Alumni to motivate students for innovation, entrepreneurship:

- IPR-Patent, Designs, Trademarks, Copyrights,
- Discover an entrepreneur within you,
- Awareness about Entrepreneurship Ecosystem,
- Idea Generation to Project Implementation,
- Journey of Innovation from Idea to Entrepreneurship,
- Successful Stories of Start Ups, etc.

Syllabi of most of the programs include research component, i.e. research/ survey/field projects, etc. at UG level. The Research Methodology and Entrepreneurship courses have been included in most of the UG and PG programs. The college offers M.Com. (E-commerce, Business Management, etc.); M.Sc. (Data Science and Big Data Analytics, Artificial Intelligence, Food Science and Nutraceuticals, etc.); B.Voc. (MLT, Cyber Security and Forensics, etc.) to disseminate the entrepreneurial knowledge and motivate them to dream big.

The library has been providing access to e-journals, reference books, theses, etc. to supplement the process of knowledge transfer.



The college has been using a multi-pronged community orientation approach amongst students through:

- Field projects, survey projects, etc. to analyze the community niches of socio-economic ventures.
- NCC and NSS activities to create awareness about cleanliness, health and hygiene; stationery/clothes/distribution, etc.
- The entrepreneurship development has been fostered through the *Annapoorna scheme* of DLLE.

Other initiatives like:

- 29 research projects.
- 03 Consultancy project
- 34 Patents granted
- 485 research papers (251 UGC-CARE and 136 Web of Science/Scopus)
- **Student Research:**
  - ✓ Zonal Championship (2019-20, 2022-23) at Aavishkar, University level Research competition.
  - ✓ International Economic Convention (2018-2024): Best Team (4 times), Best Research Paper (5 times), Best Presentation (4 times), Best Innovative Solutions (2 times), Best Speaker (2 times).
- Asia Pacific International Research Conference (2018-19, 2021-22): Best Research Paper – First Prize and Best Presentation 3<sup>rd</sup> Prize.
- SIES National Research Conference (2021-22): Best Research Paper (1<sup>st</sup> Prize) and Best Presentation (3<sup>rd</sup> Prize).
- Innovative Idea presentations and project/working model exhibition in Inter-collegiate Science festival PRAVAH.
- Small sized student entrepreneurial ventures, i.e. Coding, Web art designing, herbal cosmetics, perfumery, bonsai, culinary, etc.
- Workshops on 'Promotion of work for housewives: Career Counselling Sessions for homemakers', sanctioned by National Commission for Women; Skill- development, etc.

Scientific temperament, research skills, entrepreneurial skills, etc are inculcated in young minds by creating an ecosystem for innovations and knowledge-transfer with a focus on community-oriented initiatives.



Principal

B. K. Birla College of Arts, Science & Commerce (Autonomous), Kalyan.



## Best Practice I

### Name of the Practice: Inculcating Holistic well-being.

#### Objectives:

- To create awareness amongst students to embrace a healthy and disciplined lifestyle, through *Sports, Yoga, and Mental well-being* practices.
- To train students in synchronizing their body and mind for sustained physical fitness, mental resilience, and emotional well-being.

#### The Context:

In addition to the academic pursuits, the college encourages the students to engage in physical and health care activities to enhance the holistic well-being.

The values of our patrons are inculcated in the fabric of teaching-learning process to help the students physically, intellectually, and emotionally harness their full potential.

New Education Policy, 2020 also emphasises on aligning students' mind, body, and spirit.

#### The Practice:

##### *Sports:*

- Organizes en-masse physical fitness activities; and various sports tournaments annually at the Inter-Collegiate, Inter-zonal, and Inter-university level.
- Financial incentives (including Cash awards, 100% fee concession) and blazers to achievers at National/International level and other outstanding performers.

##### *Yoga:*

- IYD celebration – Mega event.
- Organizes workshops, meditation sessions and health check-up camps.
- Certificate courses on emotional intelligence and yoga practices.
- Day Camp/ Residential camp at College or Kdham, Lonavala.
- Yoga sessions for Adharwadi jail inmates, Kalyan.

##### *Mpower Counselling Cell (Est: 17<sup>th</sup> February 2021):*

- Organizes workshops, webinars, and individual counselling sessions.



- During the pandemic, in association with GoM, 24/7 helpline was provided for mental health support to all stakeholders. Post pandemic, on-campus counselling facility is provided.

During pandemic, several motivational and confidence building sessions from experts including doctors task force team of IMA, Kalyan have been organized online for creating 'Awareness and preventive measures to fight COVID-19 spread in our area'.

Planning to expand these services to select schools and colleges from next academic year.

### **Evidence of Success:**

#### *Sports:*

- College ranked 4<sup>th</sup> out of 800+ affiliated institutions in the UoM(2018-19) and subsequently the system of ranking discontinued.
- Mr. Aryan Dixit and Ms. Mansi Pawar(Rugby players) awarded Cash prize of Rs 5 Lakhs each from GoM for winning Silver Medal at 36<sup>th</sup> National Games(2022-23).
- College set record of '508 students engaged in 116 indoor games'- in LBR(2018).
- Mr. Aman Verma set three skipping records, featuring in the LBR(2019).
- College set record of 'Most participants in Training online basic self defence workshop'(298 female participants) in LBR(2021)
- Eminent sports icons, Padma Shri Ms. Deepa Karmarkar, and Mr. Rahul Bose (President of Indian Rugby Football) visited the college and inspired the students.
- A Shooting Range established in 2022-23 with 03 imported Sports Rifles & 01 Pistol; and 03 Indian rifles under RUSA grant of Rs 10 Lakhs.

#### *Yoga:*

- Workshops, seminars, meditation sessions, etc.(in association with Kdham, Mumbai, Isha Foundation, and SVYASA, Kalyan)
- 2 students won Zonal level All-India Essay writing prizes in 2018(Shri Ramchandra Mission, United Nations Information Centre and the Heartfulness Education Trust).
- Health check-up camps periodically in association with SVYASA, Kalyan.

#### *Mpower:*

- 5000+ counselling sessions on de-stigmatising mental health concerns for stakeholders.
- Cyclothon, wherein 1500 participants created awareness of mental health wellbeing.
- Flash Mob on suicide prevention and mental health- featured in IBR.
- Mental Health Awareness Day celebrated every year.



## **Problems encountered and Resources required:**

- Lack of interest amongst the students in physical activities.
- Hesitancy to break the stigma of mental health concerns.
- Additional infrastructure, equipments, and coaches.

## **Best practice II**

### **Name of the Practice: Developing Campus Adequacy**

The college remains committed to provide best of the infrastructure-physical, digital and green, to excel in teaching-learning process and holistic development.

### **Objectives**

- To upgrade the physical infrastructure classroom, laboratories, library, Sports, Gymkhana, Student Support Services, etc.
- To enhance ICT enabled digital infrastructure through implementation of ERP, data security, automation, digital integration through ILMS and CCTV surveillance
- To undertake green initiatives and to create awareness for green campus, green library, UNSDG's, sustainable campus by using renewable energy (solar panels), effective water/wastewater treatment and solid waste disposal methods

### **Context**

College initiated a comprehensive physical, digital and green infrastructure to develop adequacy for provision of ambience, technology, and green cover to promote sustainability.

### **The Practice**

College plans and allocates the required budget and other resources for the development and maintenance of the tangible facilities. Classrooms and laboratory facilities are equipped with the necessary audio-visual teaching aids. College houses a seminar hall, an open auditorium Sports and Gymkhana, parking space. The library includes collaborative learning space, Green Reading Room, well-stocked Books, Book-Port facility, etc.

#### ▪ **Physical Infrastructure**

- Campus security- security personnel, 338 CCTV cameras, 88 Fire Extinguishers, automated tripod turnstile gates, visitors management system
- Support facilities- Canteen, potable water treatment plant and water coolers, housekeeping, clean and well-maintained washrooms and toilets.

- **Digital Infrastructure-** Microsoft 365 licenced tools, cloud-based ERP System, Wi-Fi/LAN (300MBPS), projectors, Smart boards with digital podiums, interactive panels, hybrid classrooms, etc.



- **Green Infrastructure-** Tree-plantation drives, maintenance of the green campus (green houses, biodiversity park, vegetable garden), Solar panels(ongrid and offgrid), AC's with sensors and signages for conservation of energy, Sanitary padcare bins for recycling, Management of water, wastewater, rainwater harvesting, canteen waste(bio-gas), biomedical waste and plastic waste, solid waste(vermicomposting/bio composting), paper, etc.

**Evidence of success**

Sr. No.	Physical	Digital	Green
1	Construction of a new G+3 building, covering 55,000 sq. ft.,	Integration of Microsoft 365 licences	Installed solar panels and energy saving devices
2	34 smart classrooms.	300MBPS (200+100) lease line for internet connectivity	A 300 KLD-STP, 20 KLD-ETP to treat wastewater
3	952 systems(Desktops/laptops)	Installation of 338 CCTV cameras	Four scientifically designed Rainwater Harvesting Systems
4	Green Reading Room, Gazebo and Giant Chess Board	ADMI, RESO Software and MasterSoft ERP System.	Three vermicomposting pits and a biocomposting unit
5	various labs like IOT and Robotics lab, Animation Lab, E-yantra lab.	Cloud-based Libsys10 ILMS and LSDiscovery services.	49.53% of green cover. Minimising the paper waste and reducing approximately 365tonnes/yr CO <sub>2e</sub> of carbon emissions
6	Construction of MPower Cell	Computers upgraded with recent hardware and software	Plastic waste collection drive. Two benches received from recycled plastic



### **Problems encountered and resources required.**

- Additional infrastructure
- Effective utilization of physical and digital resources.
- Funding from government agencies

### **Notes**

The college has enhanced its physical and digital infrastructure while undertaking green initiatives reflecting the institution's commitment in providing innovative developmental ecosystem for all stakeholders.



Principal

B. K. Birla College of Arts, Science  
& Commerce (Autonomous), Kalyan.