



SELF STUDY REPORT

FOR

3rd CYCLE OF ACCREDITATION

THE OXFORD COLLEGE OF SCIENCE

NO 32,17TH B MAIN SECTOR IV HSR LAYOUT BANGALORE 560102

560102

www.theoxfordscience.org

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

June 2023

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

The Oxford College of Science was started in the year 1994 and offers 11 Under Graduate, 12 Post Graduate programs. Ever since inception, the institution has been scaling newer heights year after year and has grown from strength to strength. The institution has completed silver jubilee with phenomenal success and today is recognized as one of the prominent institutions in Basic and Applied Sciences domain. Presently College is catering education to about 2500 students and has an alumni base of 15,760 students. The institution has carved a niche for itself in the world of education with a goal that upholds everything education stands for.

The institution thrives to realize the vision and mission and accordingly devises Perspective/Strategic Plan and deployment mechanism. The Institution has embraced holistic learner centric Science Educational Paradigm to develop scientific, value based and socially responsible individuals. Keeping abreast with modern developments, the institution is constantly reinventing itself and updating/upgrading its infrastructure.

The Institution has adopted collaborative learning, experiential learning, participative learning and interdisciplinary learning pedagogy to cater to the ever-changing, diverse needs of student fraternity with an objective of honing their technical skills, soft skills, entrepreneurship and employability skills. Additionally, the institution aims to provide a research and innovation ecosystem that ignites curiosity, inquisitiveness and excitement for STEM. The practice of an integrated curriculum coupled with research and innovation approaches has a ripple effect of augmenting scientific temper thereby enhancing skill quotient and research acumen.

Relentless focus on quality of education over the years has resulted in the college garnering various accolades and awards. Owing to its integrated curriculum with innovative pedagogy the institution is conferred with Best Learning Environment Award under Higher ED Awards category by EDTECH Review. The institution is recipient of Certificate of Excellence by R World Institutional Ranking for excellence in up-keeping mental health and well-being of faculty, staff and students. Providing affordable education to all sectors of society has fetched the college top position under Best Value for Money category in the survey conducted by India Today.

Our Quest for Excellence continues.....

Vision

Our Vision is to participate in nation's march towards a knowledge society by nurturing intellectual growth and sound value system in students through science education

Mission

Our Mission is to realize the empowering and ennobling aims of education through scientific knowledge and research by providing an excellent learning environment with emphasis of values

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- ♦ Participative management approach and leadership support
- ♦ State-of-the-art-infrastructure and conducive learning ecosystem
- ♦ Innovative pedagogical approaches for holistic and integrated student development
- ♦ Focus on skill enhancement and capacity building
- ♦ Research and Innovation Ecosystem
- ♦ Committed teaching fraternity with thrust for institution development
- ♦ Located in IT/BT hub, conducive for industry interface

Institutional Weakness

- ♦ Low demand ratio in some programs
- ♦ Packed Academic schedules resulting in less time for Research
- ♦ Lack of flexibility in admitting International students to degree programs.

Institutional Opportunity

- ♦ Collaborative prospects with IT/BT industries in the vicinity
- ♦ Scope for interdisciplinary academic and research activities across the Group
- ♦ Explore extramural funding opportunities
- ♦ Emerge as Autonomous Institution/University

Institutional Challenge

- ♦ Limited opportunity in curriculum development
- ♦ Four Year Degree (BS) course offered by University and Engineering colleges as per NEP
- ♦ Growing competitions by Autonomous institutions and Private Universities

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The institution adopts innovative pedagogical approaches to provide holistic and integrated development thereby enhancing the learning experience of students. The institution reinvents and enrich the curriculum through stakeholders feedback and bridges the gap between industry and academia. The key features of curriculum and highlights of the initiatives are

- ♦ The college offers CBCS curriculum for UG/PG programs and NEP curriculum for UG programs since

2020 thereby providing academic flexibility of choosing subjects/electives across disciplines

- ♦ NEP curriculum facilitates holistic development through compulsory courses for Skill Enhancement, Ability Enhancement and Vocational training
- ♦ Academic calendar prepared in congruence with Bangalore University is followed
- ♦ Stringent Academic Audit ensures effective and timely curriculum delivery
- ♦ Centralized Evaluation system with Internal Board of Examiners ensures periodic, fair and transparent internal examination process
- ♦ 50% of the faculty members contribute academically through BOS and BOE of the Affiliating University and other Autonomous institutions
- ♦ The Institution strives to inculcate student centric ecosystem through collaborative learning, experiential learning, participative learning and interdisciplinary learning pedagogy to cater to the diverse students' needs
- ♦ The college has derived Program Specific Outcome (PSO) in congruence with University derived CO/PO and ensures 40% attainment
- ♦ Comprehensive tailor-made skill enhancement programs are offered through The Oxford Science Skill Enhancement Centre (TOSSEC) to hone technical skill sets of students to keep them abreast with industry requirements
- ♦ 237 Add-on/online certificate courses are offered/facilitated over the five years to enhance the technical skills of the 6934 students
- ♦ Experiential learning through Internship/Project Work/Industry Visits has enhanced to 41.35 % for the year 2021-22
- ♦ 416 curriculum supplementing programs (enrichment programs, workshops, problem-based learning etc.,) were offered to enhance the learning experience
- ♦ The institution motivates students persistently to utilize Library resources through Journal Club, PBL, Projethon, in-house Projects, Assignments, Seminars etc.,
- ♦ 163 Life Skill and Capacity Building Programs are imparted to cater to the diverse needs of students through Education Technology Cell, Training & Placement Cell etc.,
- ♦ Curriculum covers 20% of the cross cutting issues like Professional Ethics, Gender, Human Values, Environment and Sustainability and the institution has organised 68 co-curricular activities through various clubs and committees to supplement the curriculum
- ♦ Structured feedback mechanism by IQAC has facilitated incremental improvements in curriculum delivery in our endeavor to continuous quality improvement

Teaching-learning and Evaluation

The institution updates/upgrades in line with recent technological advancements and embraces relevant ICT tools and resources for effective curriculum delivery. The institution focuses on providing fair and transparent process of evaluation and responds to students diverse needs through mentoring system. The key features includes

- ♦ The institution adheres to admission policy of the institution in concurrence with the norms prescribed by University and other statutory bodies
- ♦ The institution make continuous efforts to maintain sanctioned cadre-wise strength of faculty
- ♦ The institution ensures 19:1 Student-Teacher ratio to enhance learning experience
- ♦ The institution has devised a mechanism for identifying Advanced and Slow learners and cater appropriate programs to fulfill their academic prerequisites
- ♦ The institution encourages faculty to use ICT tools and online resources to make learning experience

more participative. The institution has collaborated with NIT, Suratkal for Virtual labs

- ♦ The institution mandates faculty to employ experiential, participative, problem based and interdisciplinary learning methodologies in pedagogy
- ♦ Effective mentoring system is in place that ensures 1:20 Mentor:Mentee ratio that focus on professional and psychological support
- ♦ Academic Cell led by Dean-Academics in concurrence with IQAC prepares Continuous Internal Assessment (CIA) schedule for all the programs and Examination Cell led by Dean-Examination ensures execution of the same
- ♦ Central Evaluation System with IBoE ensures fair and transparent process of examination and evaluation with zero tolerance towards malpractices and grievances. However, Grievance redressal cell is in place to address grievances if any
- ♦ The institution strives to maintain average pass percentage of 81.13% and has consistently bagged 60 University ranks

Research, Innovations and Extension

The institution has been constantly striving to inculcate creative thinking and to spark innovative ideas and approaches among the students and the staff to meet the current global needs and demands. Several initiatives towards these objectives has been taken and intensely pursued to see a significant progress year after year. Some of the key initiatives include:

- ♦ Research & Development Cell in the institution is vibrant and active and functions in line with Research, Development and Innovation policy
- ♦ The institution focuses on inculcating research culture among staff and students to ignite their research and innovation potential
- ♦ Entrepreneurship Development Cell strives to sensitize students towards entrepreneurial avenues by hosting various EDP and other initiatives
- ♦ 112 Seminars/Workshops/Conferences on latest advancements in Science, Research Methodology, Intellectual Property Rights and Patenting inspires scientific and research acumen
- ♦ 80 Industry/Institute MoUs/Collaborations empower academic, research and placement activities
- ♦ 41 original research articles published in 3 volumes of The Oxford Journal of Science & Research (TOJSR) an in-house multidisciplinary journal with ISSN No: ISSN: 2581-9380 is now under consideration for UGC-CARE List
- ♦ 11 educative/awareness programs organized by Institute's Innovation Council to promote innovative eco-system in the campus, kindle critical thinking and novel solutions
- ♦ 16 EDPs organized by Entrepreneurship Development Cell to develop entrepreneurial spirit, provide alternate career options and networking possibilities resulting in 14 entrepreneurs
- ♦ 4 patents filed of which 1 granted, 6 innovations developed of which 2 were incubated in the incubation facility of the campus
- ♦ Research Promotion Schemes are strengthened to motivate faculty towards research, development and innovation activities
- ♦ Projethon, Skillathon and Hackathon instill scientific temper, hone technical skills, kindle original and inventive spirit
- ♦ Science club, Oxford Research Club Associates (ORCAS) and Raman and Curie corner encourages student participation in Science
- ♦ 1890 student volunteers and 103 cadets participated in 61 extension activities and outreach programs for community engagement and 25 blood donation, plantation, social service drives organized by NSS,

NCC and Eco-Club

- ♦ The awareness and sensitization activities of NSS, NCC and Eco-Club garnered accolades viz., Best NSS Unit Award, DDG and DG commendation card for an ANO, Appreciation letter for Eco Club from Adavi Alert Foundation

Infrastructure and Learning Resources

The institution is centrally located in HSR layout, Bangalore in a six storeyed building with 30,002 sq. mt. floor area in a 2 acre campus, strives to reinvent and updates/upgrade its infrastructure from time to time to provide a very conducive learning ecosystem. The key features includes

- ♦ WiFi enabled campus with 70 MBps bandwidth, 28 ICT equipped class rooms, audio-visual facilities and smart boards enable comprehensive and effective curriculum delivery
- ♦ State-of-the-art 31 scientific laboratories, 9 computer labs with 565 computers, 1 English lab cater to curricular requirements, research and training purposes.
- ♦ Well equipped 3 Research Centres in Biotechnology, Microbiology and Biochemistry facilitate research initiatives
- ♦ A centrally air conditioned and automated library with ILMS, OPAC system, stacked with 34,888 books, over 2 lakhs e-books, 49 Journals, 11000+ online journals, E-resources include INFLIBNET- NLIST and DELNET etc., The library also houses SC/ST and Alumni Book bank
- ♦ An air conditioned auditorium, seminar halls, auditorium lobby, CPA Room, Sports Centre available for curricular, co-curricular and extra-curricular activities
- ♦ Equipped with generator and UPS, the campus provides un-interrupted power supply, elevators and ramps for the differently abled
- ♦ Rain water harvesting, sewage water treatment, solar lights and LED lamps help conserve energy and resources
- ♦ Every floor provides RO drinking water, washrooms exclusively for girls and boys, safe locker facility and a common room is available for girls.
- ♦ CCTV surveillance ensure safety and security of students
- ♦ Health centre, Canteen, Parking space are available in the premises

Student Support and Progression

The institution focuses on student support and progression through various activities governed by various institutional cells/committees. The objective is to mentor the students in all their endeavours and make their campus learning experience more holistic and integrated. Some of the key initiatives includes

- ♦ The Institute publishes student hand book to sensitize students on institution's policies, procedures and practices
- ♦ Student Welfare Cell provides awareness on various institutional and Government scholarship schemes, value based education, inclusivity and cross-cutting issues
- ♦ 1749 students were benefited by State Scholarship Program, 49 from National Scholarship Program; 3142 from The Oxford Merit Scholarship; 2942 from The Oxford Unnati Scholarship; 34 students received DBT, GoI fellowship and 48 students received TOCSAA scholarship

- ♦ 163 Capacity Building, Life Skill, Soft Skill, Career Guidance Programs were offered for ability enhancement of the students
- ♦ Initiatives and programs offered by Training and Placement Cell has resulted in incremental improvement of students' placement/progression and competitive examinations
- ♦ Students Council/Representatives actively participate in IQAC, Library, various administrative affairs, sports, cultural and community engagement activities of the institution
- ♦ Innovative pedagogical approaches adopted by the institution has resulted in achieving 60 University top 5 ranks
- ♦ Conducive sports and cultural environment enabled students to bring laurels to the institution including Guinness Book of Records, Asia Book of Records, India Book of Records Students, 1st rank in Throw ball, 2nd rank in Basketball at International Level
- ♦ The institution has vibrant The Oxford College of Science Alumni Association (TOCSAA) with 15,760 alumni base that engages and contributes significantly to the alma-mater
- ♦ TOCSAA has established Bioinformatics facility, Alumni Book Bank, provided scholarships for skill enhancement, contributed in IQAC/TOSSEC CDB/Innovation & Incubation and has conducted various activities including Job Fair in the campus
- ♦ Grievance Redressal Cell, Anti-Ragging Committee, Internal Complaint Committee play key role in ensuring zero tolerance policy towards ragging and other issues

Governance, Leadership and Management

The institution has employed unique and effective governance, strategies and quality assurance approaches, which are participative in nature by all stakeholders for sustained growth and enhancement . The leadership governs the policies and strategic action plans in view of the changing needs from time to time to achieve the stated vision and mission. The key features includes

- ♦ The Managing Committee and Governing Council draft the institutional policies/regulations and Principal is entrusted with the responsibility of execution
- ♦ The institution has adopted decentralization practices to ensure participative management approach and accordingly the Principal delegates authority to various positions such as Vice-Principals, Deans, Heads of the Departments, Co-ordinators, Librarian, Physical Education Director, Office Superintendent who are empowered to take operational decisions in their respective areas
- ♦ IQAC crafts Perspective/Strategy Plan & Deployment document, conducts Annual Strategy meet, Quality Literacy, Quality Academic and Administrative Audits, reviews Policy, obtains 360° quality feedback from all the stakeholders, effectively monitors teaching-learning-evaluation, research-innovation, responsive administration and quality culture of the institution
- ♦ IQAC facilitates Leadership/Professional/Faculty/Staff development and Capacity Building programs through which 77.14% teaching and non-teaching staff are benefitted
- ♦ Various Cells/Committees/Clubs are constituted for execution of the action plan
- ♦ The institution is governed by Resource Mobilisation Policy with respect to mobilization and allocation of funds for its various operations. The institution ensures effective financial management through comprehensive planning, accounting, reporting and protection of assets. The financial outlay, budget planning and optimal utilization of the resources are ensured by transparency and accountability through internal and external audits
- ♦ Owing to the sustained quality approach, the institution has secured various recognitions, rankings and accolades including A Grade in NAAC Cycle II, ISO certification, Top 5 Ranking in Karnataka by The Week, Top 10 Ranking in Karnataka by India Today and Outlook, A+++ by Career 360, Best Learning

Environment Award by EDTECH Review, Silver Band for imparting Outcome Based Education, Silver Band in 'Pursuit of Excellence towards Best Institute for Campus life' by World R Institutional Ranking, Participated in NIRF Ranking

Institutional Values and Best Practices

The Institution endeavors an inclusive environment and diverse culture to ensure unity in diversity and prioritizes to observe and commemorate National, International days to evoke patriotism, spread communal harmony and peace. Some of the days observed includes activities to ingrain constitutional obligations: values, rights, duties and responsibilities. The key initiatives and activities includes

- ♦ Student Welfare Cell organises awareness programs on legal literacy, drug abuse, human rights, community development and Gender sensitization programs regularly
- ♦ Study Centres on Buddha, Gandhi and Dr. B.R. Ambedkar is set up to inculcate human values such as peace, forgiveness, equality and social justice.
- ♦ Youth day is observed to commemorate Swamy Vivekananda birth anniversary wherein his ten commandments of self-discipline is orated for character building
- ♦ Gandhi Jayanthi, Kargil Vijay Divas, International Yoga Day, International women's day, Constitution Day, National Science day and many others are celebrated
- ♦ Regional and foreign languages like Kannada, Hindi, Tamil, Malayalam, Telugu, Urdu, Arabic, French, German and Persian are offered/facilitated. Bhasha Diwas, is observed for promotion of languages
- ♦ Kannada Rajyotsava is celebrated to promote local language and culture
- ♦ Ganesha Chaturthi, Navrathri, Onam, Holi, Christmas festivals to celebrate tradition, culture and heritage
- ♦ International Dance Day, World Music Day are observed to break all cultural and ethnic barriers and celebrate universality of art
- ♦ Samanvaya-Communal Harmony Day, National Unity Day, Sadbhawana Diwas etc, are observed to impart oneness, peace and harmony
- ♦ Ethnic day is celebrated to appreciate diversity of traditional attire, experience culture and ethnicity
- ♦ The Institution believes in conserving energy and resources for future generations and accordingly sensitizes students on environmental concerns and sustainable development goals (SDGs). Various Clubs/committees have been constituted to organized awareness drives, extension/outreach programs and rallies pertaining to environmental and sustainability issues
- ♦ Energy efficient alternative sources have been explored as conservation approach
- ♦ Dhanvantri- vertical medicinal garden, Sasya Daan (plant donation drive), Plastic Free campus drive, vehicle pooling are some of the green campus initiatives
- ♦ Cauvery Calling initiative to save soil with Isha Foundation, e-waste management drive with Sogo Synergy, Solid Waste Management awareness to house keeping with SWMRT, Plastic Awareness Drive with DULT SuMA are some collaborative initiatives
- ♦ The campus is equipped with CCTV surveillance, disabled friendly Ramps, Lift, Wheelchairs, Sewage Treatment Plant, Rain Water Harvesting Facility, etc.,

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	THE OXFORD COLLEGE OF SCIENCE
Address	no 32,17th B Main Sector IV HSR Layout Bangalore 560102
City	Bangalore
State	Karnataka
Pin	560102
Website	www.theoxfordscience.org

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	R Kavyashree	080-61754542	9886023272	080-61754545	scienceprincipal@theoxford.edu
IQAC / CIQA coordinator	Gayathri Sudhir	080-61754549	9243125478	080-61754545	iqacscience@theoxford.edu

Status of the Institution	
Institution Status	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

State	University name	Document
Karnataka	Bangalore University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC	17-01-2011	View Document
12B of UGC	27-08-2013	View Document

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	02-06-2022	24	

Recognitions

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

Location and Area of Campus

Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	no 32,17th B Main Sector IV HSR Layout Bangalore 560102	Urban	2	30002

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BSc, Microbiology	36	PUC	English	180	33
UG	BSc, Biotechnology	36	PUC	English	180	48
UG	BSc, Biochemistry	36	PUC	English	120	12
UG	BSc, Chemistry	36	PUC	English	60	4
UG	BSc, Mathematics	36	PUC	English	120	0
UG	BSc, Statistics	36	PUC	English	60	1
UG	BSc, Genetics	36	PUC	English	120	12
UG	BSc, Electronics	36	PUC	English	120	0
UG	BSc, Fashion And Apparel Design	36	PUC	English	60	17
UG	BSc, Computer Science	36	PUC	English	120	47
UG	BSc, Physics	36	PUC	English	60	2
UG	BCA, Computer Applications	36	PUC	English	240	236
UG	BSc, Zoology	36	PUC	English	60	3
PG	MSc, Microbiology	24	UG	English	60	59
PG	MSc, Biotechnology	24	UG	English	60	60
PG	MSc, Biochemistry	24	UG	English	60	51
PG	MSc, Chemistry	24	UG	English	40	36

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PG	MSc,Mathematics	24	UG	English	50	24
PG	MSc,Statistics	24	UG	English	20	2
PG	MSc,Genetics	24	UG	English	30	0
PG	MSc,Electronics	24	UG	English	20	9
PG	MSc,Computer Science	24	UG	English	20	16
PG	MSc,Physics	24	UG	English	20	0
PG	MCA,Computer Applications	24	UG	English	30	30
PG	MA,English	24	UG	English	20	2
PG Diploma recognised by statutory authority including university	PG Diploma, Biotechnology	12	PG or UG four years	English	25	0

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	8				12				81			
Recruited	3	5	0	8	2	10	0	12	20	61	0	81
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
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				32
Recruited	11	21	0	32
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
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				5
Recruited	5	0	0	5
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	3	5	0	1	3	0	3	15	0	30
M.Phil.	0	0	0	0	5	0	3	6	0	14
PG	0	0	0	1	2	0	14	40	0	57
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	2	0	0	0	0	0	0	0	2
UG	0	0	0	0	0	0	0	0	0	0

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

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
	7	8	0	15

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	149	85	0	0	234
	Female	143	48	0	0	191
	Others	0	0	0	0	0
PG	Male	82	15	0	0	97
	Female	157	35	0	0	192
	Others	0	0	0	0	0
PG Diploma recognised by statutory authority including university	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0
Certificate / Awareness	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0

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

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	102	82	103	115
	Female	142	116	115	115
	Others	0	0	0	0
ST	Male	18	15	11	19
	Female	28	28	19	18
	Others	0	0	0	0
OBC	Male	389	359	420	441
	Female	608	502	499	567
	Others	0	0	0	0
General	Male	351	433	541	556
	Female	367	523	607	606
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		2005	2058	2315	2437

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	Internal Quality Assurance Cell, has crafted a Perspective/Strategic plan and Deployment document to meet the requirement of regulations outlined in National Education policy-2020. The Strategic goals devised includes multidisciplinary, integrated approach which is learner centric enabling a holistic development. This served as a blueprint for the Institutional preparedness for NEP. The Institution is in the process of shifting of Arts courses (merging of The Oxford College of Arts) offered from the same premises to enable integration of Humanities and Science facilitating combinations of Psychology, Sociology, Journalism, and Economics with programs offered under Science. The Institution is
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	<p>offering AECC, like Environmental Science, SEC like Digital Fluency & Artificial Intelligence and Value based programs under NCC, NSS Cultural & Sports. The Institution offers wide choices for Open Elective courses across the faculty like Hotel Management, Business Management, Commerce and Arts utilizing the available resources from sister concern institutions under The Oxford group. The Institution has an opportunity to collaborate with sister concern Institutions like Medical Sciences, Dental Sciences, Pharmacy, Physiotherapy, Engineering, Commerce, Management, Humanities, Law, Hotel Management and Education for exploring multidisciplinary research. Furthermore, the Institution has executed 36 MoUs exclusively for research enabling collaborative projects. The Institution offers various tailor-made, choice based skill enhancement programs to hone the technical skill of the students to make them industry ready. The students have the opportunity to choose from a wide array of interdisciplinary programs. Additionally, the institution has been shortlisted for DBT STAR College Scheme to incorporate multidisciplinary approaches in curriculum and research initiatives</p>
2. Academic bank of credits (ABC):	<p>The Institution is affiliated to Bangalore University which has framed regulations governing the NEP-Choice Based Credit System (CBCS) Scheme. As per the objectives of NEP, the students are facilitated with multiple entry and exit. The University has made all the academic reforms with respect to policy and provision of ABC. The students are allowed to use the flexibility provided in its statutes. The course framework is created in all subjects, which clearly states the multiple exits with proper certification and flexibility in attaining the course credits.</p>
3. Skill development:	<p>NEP strongly promotes skill based vocational courses like language, communication and life skills like Environmental Studies, Artificial Intelligence, Digital Fluency and Constitution of India under SEC and AECC as mandatory with 4 credits each. The Institution is Accredited by LSSSDC as Vocational Training Partner to offer Qualification Packs, Business Development Executive- Lifesciences, Research Associate Product Development, QC Biologist and Research Associate Technology Transfer process development. to create skilled manpower meeting industry requisites. The PG</p>

	<p>Diploma Course offered has curriculum mapped with Qualification Indicator Framework (QIF) Accredited and certified by LSSSDC The Institution gives paramount importance to skill development and has established The Oxford Science Skill Enhancement Centre (TOSSEC) and offer various programs for Capacity Building and Technical Skill Development involving experts from Industry and Academia. The Institution extends The Oxford Unnati scholarship to promote students participation for the same. The Institution promotes hybrid mode of learning and accordingly has encouraged students to enrol for online certificate courses offered by MOOC platforms like SWAYAM, Coursera and NPTEL. The MOOC content developed In-house by faculty members are made available on institution LMS. Additionally the institution organises various activities on Constitutional Rights and cross-cutting issues like gender sensitization, Environment and sustainability, Professional ethics and Human Values through co-curricular clubs. Buddha Study Centre, Dr.B.R Ambedkar Study centre, Gandhi Study Centre are set up to inculcate universal human values of truth, righteous conduct, Peace, Non-violence and Citizenship values. Youth Day is observed to reiterate Vivekananda's principles and impart discipline.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>Students are given freedom to study any two languages of their choice including Sanskrit. Yoga is offered as one of the Value Based Education program under NEP curriculum and the institution supplement the same as Life Skill Program through Yoga Club. The Faculty use Bilingual communication on need basis to enhance the ability of understanding the concepts. Students are encouraged to participate in cultural activities to nurture their cultural & traditional knowledge, creative expression. A separate full-fledged Cultural Club "Kaladhamani" offers a suitable platform for exhibiting traditional performing arts and Fine arts. The Student council celebrates various festivals like Navarathri, Ganesha Chaturthi, Onam, Holi, Christmas, Pongal/Sankranthi to appreciate Indian tradition and culture. Ethnic Day is observed to celebrate diverse Indian ethnicity. The Institution has a well maintained vertical medicinal garden with QR Code to access the information on the medicinal plant to promote Indian Ancient</p>

	<p>Traditional Knowledge. The institution has organised awareness program - Brain Boosters" to sensitize students on medicinal use of ancient herbs and plants. Additionally students are given assignments and projects on Indian Plants and Herbs. Sharing of knowledge is encouraged through debates, Group Discussions and Seminars.</p>
5. Focus on Outcome based education (OBE):	<p>The affiliating University has implemented NEP from the academic year 2021-22. The university has implemented OBE with clearly stated Course Outcome and Program Outcome. All courses have bearing on outcomes focused on cognitive abilities, domain-specific skills which ensure social responsiveness and entrepreneurial skills so that student contributes proactively to economic, environmental and social needs at large in order to apply the true spirit of NEP and social well-being of the Nation. Program Specific Outcomes have been identified and are accomplished through curriculum by the faculty. COs are mapped to POs and PSOs. Institution level initiatives have been taken up to equip the teaching community by organizing webinars, conducting FDPs and trainings on the importance of OBE and to adapt new pedagogical approaches. These are constantly brought to the knowledge and attention of members of faculty and students, discussed in all meetings of IQAC and Staff meetings. Though being an affiliated institution, efforts are made to adopt CO, PO attainment process through Continuous Internal Assessment (CIA) by direct and indirect attainment methodologies. Academic Audit is undertaken periodically to ensure that these objectives are achieved.</p>
6. Distance education/online education:	<p>The Institution has adapted Innovative pedagogy by using ICT tools to enhance the learning experience. Use of Animations, Simulations , DOODLE, MOODLE,FOSS are in practice. The Institution has collaborated with NIT Suratkal for Virtual Lab Nodal Centre for effective delivery of practical sessions. The Institution has taken initiatives to deliver the softcore curriculum through hybrid mode by engaging students both in online and offline platforms. The e-content and MOOC courses developed are made available in LMS for anytime anywhere access for the benefit of the student community. Further the Institution promotes hybrid mode of learning and accordingly has encouraged</p>

students to enroll for online certificate courses offered by MOOC platform like SWAYAM, Coursera and NPTEL. Furthermore, remote access of e-resources is enabled through ILMS.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes, Electoral Literacy Club has been set up in the college with the main aim of sensitizing students and staff on their electoral rights and creating awareness on franchising vote in democracy. Accordingly, the Club organizes various activities such as Awareness Drives, Voter Literacy Campaigns, Voter Registration Drives, Debates and Seminars on electoral process. They also engage providing information on how to obtain Voter ID/ EPIC card through online and offline mode.
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?	Yes, Institution has appointed the Students' And Faculty Coordinator's in ELC. ELC is functional and actively involved in Awareness Campaigns and Drives. The ELC members are representative in character from diverse sections of society as detailed below: Electoral Literacy Club Composition Faculty Co-ordinator is Dr. Susil Kumar Sahoo, Dean Administration. Faculty Ambassadors are Mr. Bhanu Prakash KS, Student Welfare Officer, Mr. Avinash, Associate Student Welfare Officer, Ms. Manasa, Cultural and SC/ST Cell Coordinator and Ms. Maria Archana, Associate NCC Officer. Student Co-ordinator is Mr. Khan Aqeel Ur Rahman Khan, President, Student Council. Student Ambassadors are Ms. Ruchita Reddy, Vice-President, Student Council, Ms. Sanjana Rao, General Secretary, Student Council, Mr. Ambarasha C, Member, Student Council and Mr. Pavan Kumar S, Member, Student Council.
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	The ELC is very active and organizes various innovative programmes to educate the target group on electoral process and importance of franchising vote in democracy. Some of initiatives taken includes Voter Awareness Campaign in and around college campus, Voter Literacy Campaign for disabled persons & senior citizen in rural area to enhance participation in voting, Voter Registration Drive for

<p>privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.</p>	<p>the eligible students in the campus resulting in 99% registration of first time student voters through online/offline mode; Creating and Posting Video Reels of Franchising Vote and Ethical Voting in all social media platforms. Additionally, the institution organized Open House Session with Mr. Sathish Reddy, Member of Legislative Assembly, Bommanahalli Assembly Constituency, Bengaluru on importance of casting vote; Organized Interactive Session with Mr. Tejasvi Surya, Member of Parliament, Mrs. Nirmala Seetharaman, Union Cabinet Minister, Sri. J.P.Nadda, Union Cabinet Minister, Sri Varun Gandhi, Member of Parliament, Sri. Hari Prasad, Member of Parliament, Ms. Soumya Reddy, Member of Legislative Assembly, on importance of casting vote in nation building; Assisted and Facilitated Training Program on General Election Process for polling officials with Bommanahalli Assembly Constituency Election Administration. The Election Commission trained our faculty ambassadors and utilized them as Trainers to train Polling Booth Officers on usage of EVM and VVPAT.</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>Socially relevant initiatives taken by College in electoral related issues includes In-campus Graduate Constituency Voter Awareness & Registration Drive; In-campus Teachers Constituency Voter Awareness & Registration Drive; Participation in Voter Awareness Rally starting from Vidhana Soudha to Kanteerava Stadium organized by State NSS Cell; Creating and publishing Video Reels content in social media highlighting voters contribution in democracy; Conducting in-campus survey on unregistered eligible voters and facilitated Voter Registration. - Conducted Electoral Literacy Drive in rural areas to enhance participation in voting.</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>The ELC in the campus is striving hard to make sure every eligible student participate in the democratic process. Accordingly, the following step by step mechanism is institutionalized in the college: 1. Conduct survey online/offline to identify unregistered eligible voters. 2. Organize Voters Registration Drive to educate students on online and offline process of registration. 3. Release Video on usage of Voter Registration App to assist in online registration process. 4. Facilitate collection and submission of duly filled Voter Registration Forms to BBMP. 5. Co-</p>

ordinate with BBMP officials to ensure completion of Registration. The mechanism institutionalized has ensured 632 unregistered eligible students to register and franchise their vote as first time voters in the forthcoming 2023 Karnataka State Assembly Election.

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
2005	2058	2315	2437	2081
File Description		Document		
Upload Supporting Document		View Document		
Institutional data in prescribed format		View Document		

2 Teachers

2.1

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

Response: 233

File Description	Document
Institutional data in prescribed format	View Document

2.2

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

2021-22	2020-21	2019-20	2018-19	2017-18
103	106	119	128	108

3 Institution

3.1

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

2021-22	2020-21	2019-20	2018-19	2017-18
201.84	144.35	238.55	214.63	233.32

File Description	Document
Upload Supporting Document	View Document

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1

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

Response:

The Oxford College of Science strives to empower faculty to achieve excellence through cutting edge academic practices by encouraging them to develop a deep understanding of learning patterns to effectively adopt and apply teaching strategies to meet students' needs.

Being an affiliated institution, the Institution follows the curriculum designed by Bangalore University. Teaching and learning is planned, delivered and monitored in accordance with the values and principles to ensure quality throughout the process.

- ♦ **Strategy meet** is conducted before the start of every academic year, where in the entire teaching learning and evaluation process is planned based on the inputs received from Heads of the various departments, Dean-Examination and Coordinators of various cells and clubs to prepare an exhaustive academic calendar in congruence with the university calendar depicting curricular, co-curricular and extra-curricular activities.
- ♦ **Academic Cell** conducts meeting to finalize calendar of events including Internal assessment examination based on the inputs from Department, Examination Cell and Associated Cells to bringout academic calendar.
- ♦ **Academic Calendar** is released and uploaded in the campus management system.
- ♦ **Department meeting** for academic planning is conducted to distribute the syllabus among the faculty members
- ♦ **Time table committee** drafts a master timetable where in specified no. of slots are allocated to all the subjects along with co-curricular and extracurricular activities including library hours.
- ♦ **Lesson plan** is prepared subject wise with reference to Timetable and Academic calendar.
- ♦ **Alternate arrangements** are made to engage classes in the absence of faculty.
- ♦ **Curriculum supplementing programs** such as Problem-based learning, Enrichment program, Workshops, Industrial visits, guest lectures and seminar presentations are conducted frequently.
- ♦ **ICT tools** like Power Point Presentations, animated demonstrations, additional web-resources like FOSS, MOODLE, DOODLE, Video resources etc., are predominantly used for the effective delivery of the curriculum.
- ♦ **Virtual labs** are integrated to aid the understanding of the complex concepts.
- ♦ **Lab manuals, question banks and work books** are provided to the students
- ♦ **Syllabus completion report** is obtained from students, faculty and Head of the Department.
- ♦ **Continuous internal assessment to record the progress of the student** is based on components like assignments, projects, seminar presentations, Attendance, internal examinations and participation during practical sessions and in co-curricular activities.
- ♦ **Examination cell** structures and conducts internals, improvement and Preparatory examinations

flawlessly as per the academic calendar.

- ♦ **Remedial classes** are offered to provide learning support based on the Internal Examination Result analysis
- ♦ **Centralised Evaluation System** is in practice which is monitored by the Examination Cell
- ♦ **Academic audit** is conducted at the end of the academic year to ensure effective delivery of the planned curriculum and rectify any inconsistency in adherence of the academic calendar.
- ♦ **IQAC** monitors the overall process of Curriculum Planning, Delivery and Evaluation to ensure quality in teaching and learning.

File Description	Document
Upload Additional information	View Document

1.2 Academic Flexibility

1.2.1

Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

Response: 36

File Description	Document
List of students and the attendance sheet for the above mentioned programs	View Document
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	View Document
Institutional data in the prescribed format	View Document
Evidence of course completion, like course completion certificate etc. Apart from the above:	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

1.2.2

Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

Response: 22.94

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
524	512	502	465	496

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

1.3 Curriculum Enrichment**1.3.1**

Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum

Response:

The Oxford College of Science makes conscious efforts towards integrating various socially relevant cross-cutting issues like ethics, human values, Gender sensitivity, environment and sustainability across UG and PG programs. Since the Institution is affiliated to Bangalore University, The University has oriented the curriculum to integrate few of the cross cutting issues like Environment and sustainability and Human Rights and Values in UG program through Ability Enhancement Compulsory Courses (AECC) and Soft Core papers. The issues of Environment and Sustainability are addressed through the course "Environmental Studies" offered to UG students in the I semester. Through this course, students are sensitized to ecological and environmental issues connected with land, air, and water, with awareness on sustainable development. The curriculum on Constitution of India offered to III Semester UG program covers topics on sensitizing the women and other vulnerable communities on their human rights and Professional Ethics and the constitutional laws. The PG Programs also have courses addressing the crosscutting issues on Environmental sustainability like courses on Environmental Biotechnology, Environmental Microbiology, Green Chemistry, etc., dealing with waste managements, Biofertilizers, Biopesticides and many such environment friendly practices.

Apart from the curriculum, Co-curricular Clubs like Eco club, Value Education Club, Joy of giving Club, Toast Masters club and Cells like Women Empowerment Cell and Student Welfare cell cater to such cross cutting issues through various programs and try to instill these values among the students both in terms of theory and practice through predefined syllabi.

Eco Club aims to bring in awareness in students on environmental protection and sustainability in line with SDG goals. Outreach programs and Extension activities are conducted involving student volunteers frequently. Eco Club has collaborated with Solid Waste Management Round Table (SWMRT), Alert Foundation, Biocentre and Environmental Synergies in Development (Enzyde) that has helped the institution to take off many initiatives including Internships. Cauvery Calling initiative to save soil with Isha Foundation, e-waste management with Sago Synergy, Green Campus initiatives through creation of Dhanvantri- vertical and medicinal garden, Sasya Dhaan, Plastic Free campus drive, vehicle pooling, Sustainable Mobility in accord with Directorate of Urban Land Transport, Training in various organizations on solid waste management, composting, water conservation through observing world water day, world environment day, ozone day are among the few.

Value Education Club enforces the importance of human values and ethics through role plays on Tolerance, Respect, Honesty and guest lectures on topics like Care and Compassion. Joy of Giving club promotes the spirit of giving, being generous and emphasize on selfless services. To inculcate such values the club observes World Humanitarian Day and World Kindness Day to sensitize students to be empathetic and kind to the underprivileged. Toast Masters Club focuses on Professional ethics; Women Empowerment and Student Welfare Cell organize guest lectures, activities on Gender sensitization and celebrates International Women's Day every year in the campus.

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

1.3.2

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

Response: 41.35

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

Response: 829

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

1.4 Feedback System**1.4.1**

Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website

Response: B. Feedback collected, analysed and action has been taken and communicated to the relevant bodies

File Description	Document
Feedback analysis report submitted to appropriate bodies	View Document
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	View Document
Action taken report on the feedback analysis	View Document
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 40.32

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

2021-22	2020-21	2019-20	2018-19	2017-18
807	738	792	913	963

2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1930	2120	2145	2145	2110

File Description

Document

Institutional data in the prescribed format

[View Document](#)

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

[View Document](#)

Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.

[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: 45.68

2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

2021-22	2020-21	2019-20	2018-19	2017-18
520	461	457	329	620

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

2021-22	2020-21	2019-20	2018-19	2017-18
965	1060	1073	1073	1055

File Description	Document
Institutional data in the prescribed format	View Document
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	View Document
Copy of communication issued by 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)	View Document

2.2 Student Teacher Ratio

2.2.1

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

Response: 19.47

2.3 Teaching- Learning Process

2.3.1

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Response:

The Institution adopts various methods to enhance Teaching and Learning experiences employing student centric methods through effective usage of digital infrastructures. Constructive tools like Excel, PowerPoint, Photoshop, etc., are employed to make classes interactive. The Class rooms are equipped with Audio-Visual tools like LCD projectors, Smart boards and Language Lab to aid the digital learning. Online platforms like Google Classroom, MS teams, Zoom are used to support hybrid mode of teaching and learning. Recorded video lectures and experiments are provided to students for all time accessing. Skill labs, Virtual labs, Simulations are integral part of the pedagogy to enhance learning experiences. Library resources are available for remote access. Students are encouraged to enrol for online certificate courses on MOOC, SWAYAM, NPTEL, Coursera platforms.

In Experiential learning Students engage intellectually, learn to take initiative and to make decisions.

- ♦ *Add on Programs* are structured to bridge the gap between industry and academia
- ♦ *Enrichment Program* are in practice to delve deeper into the subject
- ♦ *Workshops/ hands-on training* are imparted to translate theory into practice.
- ♦ Inter disciplinary approach of learning is practiced to enable critical thinking in multiple perspective
- ♦ *Peer Learning/Teaching* is practiced to boost confidence
- ♦ *In-house projects* are encouraged to create research ecosystem.
- ♦ *Internships & Summer research fellowships* are promoted to explore organizational culture
- ♦ *Science, Art & Craft Exhibitions* are hosted to provide a platform for innovation and creativity
- ♦ *Language Lab* are allocated to hone communication skill
- ♦ *Fashion Shows* are organized for real time experiences
- ♦ *Accessory & Ornamental Making* are accommodated to foster Entrepreneurial skill & creativity
- ♦ *Magazine club* activities instill writing skills among students.

In Participative Learning, students learn to engage intellectually, learn to communicate, interact and network

- ♦ *Guest Lectures* are in practice to update recent trends in Academia, Industry and Research.
- ♦ *Conferences, Seminars, Symposium, Webinars and Lecture Workshops* are promoted to enable interaction and networking.
- ♦ *Entrepreneurship development programs* are organized to nurture entrepreneurial skills
- ♦ *Skill Development and Enhancement Program* are encouraged to hone technical skills for industry readin
- ♦ *Projethon/Skillathon* is introduced to sharpen presentation and technical skills
- ♦ *Career Guidance programs, Life Skill & Soft Skill Programs* are conducted to enhance employability by grooming communication skills, aptitude ability and basic interview etiquettes.
- ♦ *Industry Visits, Study tours* are undertaken to provide exposure to industry/institute ecosystem.
- ♦ *Quiz program & Debate competitions* are conducted to rear participative learning.
- ♦ *Group discussion* are in practice to develop interactive and critical thinking skills
- ♦ *Petite Talks* are encouraged to improve oratory skills
- ♦ *Fests –Technical and Cultural* are hosted to develop team building, leadership qualities
- ♦ *Journal Club & Science Club activities* are in practice for developing scientific temperament, inquisitiveness and appreciate contributions of Science to human kind.

Interdisciplinary Problem Based Learning is another pedagogical approach employed to promote the development of critical thinking skills, problem-solving abilities and boost self-confidence

- ♦ *Case Studies* are taken up to acquire wider relevance for a comprehensive solution.
- ♦ *Role Play* are practiced to evoke the creative spirit, and problem solving
- ♦ *Forensics, Simulations, Coding, Programing, debugging, circuit analysis and app development* are all emboldened to troubleshoot with different approaches.

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

2.4 Teacher Profile and Quality

2.4.1

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

Response: 100

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

2021-22	2020-21	2019-20	2018-19	2017-18
103	106	119	128	108

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	View Document

2.4.2

Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)

Response: 37.41

2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
44	41	46	42	38

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	View Document
Institution data in the prescribed format	View Document
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	View Document

2.5 Evaluation Process and Reforms

2.5.1

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

Response:

The Oxford College of Science has an effective evaluation policy to ensure transparency in Continuous Internal Assessment(CIA) .The policy is committed to promote effective teaching and learning to elevate quality standards, expectations and ensures student progress through competency.

- ♦ Continuous Internal Assessment (CIA) parameters includes Assignments, Subject Seminar Presentations, Internal examinations, Practical Record submission Performance in Practical classes, Mock practical and Attendance are considered for Student Evaluation.
- ♦ Internal Examination committee is in place which functions under the supervision of Dean Examination and Principal.
- ♦ Internal examination schedule (2 per semester) is decided at the beginning of the Academic year and same is reflected in the academic calendar.
- ♦ Eligibility criteria to attend the internal exams are predefined in student hand book
- ♦ Improvement examination is conducted to cater to the needs of students who miss the exams due to genuine reasons and also who wish to improve on the scores.
- ♦ Preparatory Exam is conducted at the end of the semester
- ♦ Mock practical is conducted to familiarize the scheme of examination
- ♦ Internal Board of Examiners (IBoE) is appointed for setting the question paper.
- ♦ Central Evaluation System is in place, and Evaluators are given stipulated time to complete the evaluation process.
- ♦ IBoE members randomly verify corrected answer scripts to ensure adherence to the evaluation process.

- ♦ Evaluated answer scripts are distributed to the students for information and verification and discrepancies if any are addressed immediately.
- ♦ The CIA score obtained by the students is uploaded in the campus management system.
- ♦ Grievance redressal Cell is in place to address the issues related to CIA to ensure transparent and fair process in the assessment.
- ♦ The Cell meets once in every semester soon after the announcement of CIA score to address student grievances if any within 7 working days.
- ♦ Orientation program is conducted by Dean, Examination for Students before end semester examination to brief about the rules and regulations of Bangalore University and to instruct proper filling up of answer booklet. Students are made aware of the consequences of malpractices. Student welfare cell has joined hands by adopting innovative way to spread awareness among students through Instagram Reels.
- ♦ Orientation program is conducted by Dean, Examination for Invigilators ahead of end semester examinations to familiarize the updated examination regulations.
- ♦ Internal Observers and Squad are appointed for Fair & Transparent Conduct of Examination.
- ♦

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

2.6 Student Performance and Learning Outcomes

2.6.1

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

Response:

The institution realizes that course outcomes identify the unique knowledge and skills expected to be gained from a given course. Each course has a defined set of course outcomes and corresponding evaluation criteria. Program outcomes are framed based on what students are expected to know and be able to do upon the completion of a specific program. These relate to the skills and knowledge that students acquire.

Being an affiliated institution, The Oxford College of Science has limited scope in designing the curriculum and syllabus. The institution follows the curriculum and Course Outcome/Program Outcome and Mapping prescribed by Bangalore University and incorporates the expected knowledge and skill outcomes.

The institution also ensures that the methods of delivery and the standards of attainment are relevant and

effective. Each Department formulates Program Specific Outcomes (PSOs) for the programs conducted in line with the defined CO/PO. These delineate the knowledge and skills that a student should possess upon completion of the program. Further, Program Outcomes (POs) are also stated in the university course modules enunciating the skills, knowledge and attributes expected to be possessed by a student at the completion of the program. Many faculty members participate in the syllabus revision workshops organized by the University. Many are members in Board of Studies (BOS) and Board of Examination (BOE) at the University level thus contributing to discussions on Program and Course Outcomes. At the beginning of every academic year, during the orientation programme, students are educated about COs, POs and PSOs. On the first day of a semester each faculty explains to the class the Lesson plans, COs POs and PSOs. COs, POs, PSOs are also displayed in the institutional website.

File Description	Document
Provide Link for Additional information	View Document

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

In order to continuously improve the quality and achieve higher standards, the institution has a process in place to evaluate the attainment of the stated COs, POs and PSOs. The evaluation serves as a measure of the success of the teaching-learning process. As an affiliated institution, the college follows the guidelines set forth by Bangalore University for the formal measurement of outcomes. The internal evaluation is processed through direct and indirect methods.

Students are evaluated for 70% /60% (NEP) through the end semester university examination and 30% /40% (NEP) on Internal assessment comprising of class tests, internal examinations, assignments and presentations. The internal assessment marks indicate the attainment of COs even before the university examinations. This helps the faculty to make remedial interventions, if required.

Measurement of attainment of COs and POs are done through formative and summative assessments. Being an affiliated Institution, the College adheres to Attainment of CO/PO for only CIA (30/40%). Continuous and comprehensive evaluation is done regularly to know the attainment.

- ♦ Unit tests are scheduled and conducted by the faculty periodically
- ♦ Valuated answer scripts are analyzed
- ♦ Strategies for improvement like remedial class, Tutorials, providing study materials, giving assignments, worksheets and short home works are framed and executed suiting to the individual student needs
- ♦ Group discussions and Seminars are enforced to assess the thought process with communication skills and subject knowledge
- ♦ Assignments are given to assess the art of referring literature, concise the information,

understanding and writing skills

- Quiz competitions are held to assess the knowledge and information students have imbibed.
- Question papers are set for the Internal exams in accordance with the blueprint of the curriculum by IBoE in order to cover the POs and COs
- Questions are mapped to COs and COs to POs and PSOs
- Formula based excel sheet model then calculates COs and POs attainment.
- The University end semester results are recorded in the excel model as a whole. The CGPA of the students are calculated as per Bangalore University pattern that is prescribed for each course by the university.
- The marks obtained are analysed by the concerned faculty member at the end of each course.
- Attainment of COs in practical courses are measured based on the ability to demonstrate one or more defined PO in terms of practical knowledge and performing skills
- Cognitive outcome of the students are assessed via cocurricular activities.
- Attainment of PO is measured quantitatively by the analyzing the placement of students in reputed firms and their Progression to higher studies in esteemed institutions.
- Attainment of PO and CO is indirectly measured by the feedback from Students and Alumni

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

2.6.3

Pass percentage of Students during last five years (excluding backlog students)

Response: 81.13

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

2021-22	2020-21	2019-20	2018-19	2017-18
618	648	708	677	398

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

2021-22	2020-21	2019-20	2018-19	2017-18
740	772	905	815	526

File Description	Document
Institutional data in the prescribed format	View Document
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	View Document
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process

Response: 3.53

File Description	Document
Upload database of all students on roll as per data template	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1

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

Response: 63.38

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

2021-22	2020-21	2019-20	2018-19	2017-18
3.25	10.25	10.282528255	29.6	10

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

3.2 Innovation Ecosystem

3.2.1

Institution has created an ecosystem for innovations, 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:

The institution constantly strives to inculcate creative thinking and innovative approach among students and staff to meet current global needs and demands. Several initiatives to strengthen Research and Development Cell, Entrepreneurship Development Cell, Industry/Institute collaborations were taken. Institutional Innovation Council, Incubation facility were set up. Various awareness, educative and skilling programs were conducted.

Research and Development Cell functions with the objective of promoting research acumen among the students and faculty with a well-defined policy. The highlights of research promoting schemes and activities include:

- ♦ Financial support and Special Casual Leave (SCL) to attend FDPs and other training Programs like Seminars, Workshops, and Conferences to update their skills and knowledge

- ♦ Rewards for publishing research papers in National and International Journals
- ♦ Incentives for obtaining research grants, patents and innovation
- ♦ Sabbatical Leave for pursuing higher studies
- ♦ Organise webinars, seminars, workshops, conferences on latest advancements in Science, Indian Knowledge Systems, Intellectual Property Rights to create awareness and platforms for networking.

Institutional Innovation Council was set up to promote innovative eco-system in the campus to

- ♦ Kindle critical thinking and nurture innovative solutions from students through expert talks, workshops, seminars and hackathons
- ♦ Create awareness by observing World/National creativity and innovation days, World Intellectual Property day etc.,

Entrepreneurship Development Cell was established to develop entrepreneurial spirit among the student community. It was further strengthened by conducting various programs to

- ♦ Provide exposure to various business opportunities and alternative career prospects by conducting various Entrepreneurship Development Programs (EDPs)
- ♦ Provide wider possibilities like networking, interacting with investors, learn about business plans, team building, market requirements, marketing skills etc., by encouraging students to partake in national and international events like Invest Karnataka, Industry Summits etc.,
- ♦ Provide interaction platforms with entrepreneurs, investors, professionals to student innovators and potential entrepreneur

Incubation Facility was setup using existing infrastructure to create innovation and entrepreneurial ecosystem in the campus. It:

- ♦ Provides need-based lab workspaces/ workbenches
- ♦ Extends support facilities like library, board room, canteen, auditorium
- ♦ Encourages, supports and hand-holds student and alumni incubatees
- ♦ Provides value-added services like scientific mentoring, technical/business counselling, legal advice and interns available across all The Oxford Group of Institutions.

Other Initiatives taken:

- ♦ Projethon to create competitive spirit in research
- ♦ Hackathon to kindle prototyping ideas
- ♦ Skillathon and Skill development programs to hone technical skills through TOSSEC
- ♦ Executed 36 MoUs/collaborations with industry/ institutions focusing on research
- ♦ Organized 133 seminars/conferences/workshops/FDPs

Outcome of the initiatives:

- ♦ Created a research / innovation ecosystem and inspired 43 students to pursue Ph.D
- ♦ Established a Science club, Oxford Research Club Associates (ORCAS), Raman and Curie corner
- ♦ Released 3 volumes of The Oxford Journal of Science & Research (TOJSR) with 41 publications,

which is ISSN indexed; under consideration for UGC CARE list

- ♦ 34 awards/recognitions for posters/paper presentations
- ♦ 84 research publications, 23 in UGC CARE, 31 in TOJSR, 30 in non-UGC; 3 books & 37 book chapters
- ♦ Filed 3 Indian patents and 1 granted (Australian)
- ♦ 4 Innovations and 2 Incubations in the campus
- ♦ 14 Students turned successful entrepreneurs
- ♦ Students innovations like Apps, Robots, mobile calculator, health monitoring system, Biosensors etc.,

File Description	Document
Upload Additional information	View Document

3.2.2

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

Response: 52

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

2021-22	2020-21	2019-20	2018-19	2017-18
08	12	13	13	06

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

3.3 Research Publications and Awards

3.3.1

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

Response: 0.1

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

last five years

2021-22	2020-21	2019-20	2018-19	2017-18
14	3	1	2	3

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

3.3.2

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

Response: 0.17

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

2021-22	2020-21	2019-20	2018-19	2017-18
16	14	5	2	3

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

3.4 Extension Activities

3.4.1

Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.

Response:

The college has active NSS and NCC units for conducting extension activities, outreach programs to sensitize students on social issues, understand community, develop sense of civic responsibility, invoke national integrity and social harmony thereby acquiring leadership qualities with democratic attitude. The institution ensures a springboard network to develop cooperation with the community in the neighbourhood to undertake social work for overall development of the students and the betterment of society at large. The unit has collaboration with Rotaract and Indian Red Cross Society. The total extension activities conducted were 61 and Tangible outcome were observed in 18 programs (717 student volunteers):

- ♦ 1890 student volunteers, 158 faculty members participated in 54 activities conducted by NSS.
- ♦ 103 NCC cadets, 1200 Student volunteers, 84 Faculty members and 10 personal instructors of the Indian Army participated in 5 programs with 29 activities conducted by NCC.
- ♦ 75 Eco-Warriors, 260 student volunteers, 28 faculty members involved in 32 activities conducted by Eco-Club.
- ♦ 10 Eco-Warriors volunteered for fund raising activities of Adavi Alert Foundation for front line workers, and 10 Eco-Warriors volunteered for a survey by Sustainable Mobility Accords (SuMA) a registered state government society under DULT to spearhead the state's initiatives on non-motorised transport (NMT).
- ♦ Donated funds for Blind association
- ♦ During General Elections, volunteers were deputed for helping old and challenged voters.
- ♦ Students volunteered during Covid 19 pandemic for creating awareness, relief activities, and for sanitizer/mask distribution.
- ♦ Students participated in government initiatives like Swaccha Bharat Abhiyaan, Fit India campaign, Aatmanirbhar Bharath, Swachhta Pakhwada, Swachhata hi Seva, etc.,
- ♦ Institution's engagement in social service has been recognised/appreciated/awarded by several

organisations.

Students engagement with the society resulted in:

- ♦ **Community Engagement:** Opportunities to involve themselves in social service initiatives like cleanliness drives, tree plantation campaigns, blood donation camps and disaster management training. They also created social awareness through healthcare campaigns and educational programs to empower marginalized communities. This developed in students a sense of social responsibility and empathy towards underprivileged.
- ♦ **Personality Development:** Extension activities enhanced students leadership, teamwork, communication, and organizational skills. They worked collaboratively with diverse groups and took up responsibilities, a valuable asset for their personal and professional growth. It also helped identify their full potential, instilled self-confidence and motivated them to embark on such programs. It further helped in cultivating a good character, commandership, discipline, leadership qualities, a secular outlook, a spirit of adventure and principles of selfless service. Extension activities enabled students to explore and develop their personal interests, hobbies, and talents such as physical training, adventure sports, cultural events etc.
- ♦ **Awareness and Sensitization:** Extension activities on social issues like health, hygiene, environmental conservation etc., introduced societal challenges to them.
- ♦ **Patriotism and National Identity:** National celebrations/ festivals and commemoration days invoked patriotism, national unity, discipline and a deeper understanding of their country's heritage, culture, and values.
- ♦ **Networking and Social Connections:** Community involvement facilitated interaction with peers from different backgrounds, fostering friendships and networks beneficial for their personal and professional growth.

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

3.4.2

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

Response:

NCC (National Cadet Corps) and NSS (National Service Scheme) are two prominent youth organizations of our college that encourages college students to participate in community service activities for the betterment of society. It focuses on social development, fostering a sense of empathy, and encouraging active citizenship. The NSS and the NCC units are very active and conducted programs by extending beyond their scope and ability.

- ♦ The NSS and NCC volunteers participated actively during the Covid 19 pandemic risking their

own health for the benefit of the society. Volunteers were also involved in the vaccination campaign held in and around the College. They assisted healthcare workers in various tasks such as registration, crowd management, and providing necessary information to the beneficiaries. Their involvement facilitated smooth flow of vaccination process and helped in achieving vaccination targets. BBMP, Bommanahalli Zone, GoK recognized this selfless service and Letter of Appreciation was given for extending support in combating pandemic.

- ♦ Deputy Director General NCC Karnataka & Goa Air Commodore B S Kanwar, VSM awarded DDG Commendation Card to Lt. Maria Archana H on 07/02/2023 for her exemplary performance, unwavering commitment, and valuable contributions to the prestigious Republic Day camp 2023 by bringing Karnataka and Goa Directorate from 13th place to 4th place among 17 directorates. Director General NCC, Lieutenant General Gurbirpal Singh, AVSM, VSM awarded DG commendation card to Lt. Maria Archana H on 28/02/2022 for her exceptional dedication, leadership, and contributions within NCC. It is an acknowledgment of her exemplary performance and a source of inspiration for others. The award contributes to an overall ethos of NCC and recognizes individuals who embody the organization's values of discipline, responsibility, and service to the nation.

Lt. Maria Archana H participated in the prestigious Republic Day Camp, 2023 in New Delhi. She

- ♦ represented Karnataka & Goa Directorate along with 111 NCC cadets from all over Karnataka and Goa. The directorate was placed in the 4th place in RDC among the 17 directorates. Karnataka and Goa cultural got second place in group dance and the only directorate with maximum Best Cadets. Karnataka and Goa bagged 3 All India Best Cadet awards including 1 silver and 2 bronze medals. Ship modelling won the silver ship. 7 cadets took part in Gaurd of Honour and 12 cadets for Karthyavapath. Received the Directorate improvement award for improving position from 13th to 4th.

Kottagalu Gram Panchayath honored our unit with the “Best NSS Unit Award” in 2019 which

- ♦ demonstrated outstanding commitment, innovation, and significant contributions in the field of community service and social development.

Certificate of Organization recognizes Rotaract Club of TOCS has been sponsored by the Rotary

- ♦ Club of Bangalore Peenya, Karnataka, India

Mr. Mariswamy was awarded as the best NSS officer for his exceptional commitment to

- ♦ community service by Kottagalu Gram Panchayath. His empathy towards others, understanding of social issues and the urge to find sustainable solutions enable him to engage students in meaningful activities.

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

3.4.3

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

Response: 61

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

2021-22	2020-21	2019-20	2018-19	2017-18
18	10	14	10	09

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	View Document
Institutional data in the prescribed format	View Document
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	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.5 Collaboration

3.5.1

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

Response: 80

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

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

The Institution has adequate infrastructure and other facilities for,

- ♦ teaching – learning, viz., classrooms, laboratories, computing equipment etc
- ♦ ICT – enabled facilities such as smart class, LMS etc.

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

Response:

The institution is located in a prime area in a sprawling 2 acre campus with total floor area of 30,002 sq. mt. spread across 6 floors. The campus is WiFi enabled and has well equipped amenities to cater to the quality standards of teaching and learning. Classrooms are equipped with ICT tools viz.. audio-visual facilities and smart boards to enable comprehensive curriculum delivery. There are 31 Class rooms of which 21 are ICT enabled and 3 class rooms with interactive display panel.

State-of-the-art 44 scientific laboratories equipped with high-end equipments and new generation computer systems are available for curriculum delivery, research, training programs and in-house projects. English Lab with Wordsworth software is provided to enhance the communication skills of the students to enable them to compete globally. The institution has Research Centres in the department of Biotechnology, Microbiology and Biochemistry recognized by Bangalore University.

The centrally air conditioned and automated library complements the rich learning experience. The library houses separate sections for reading, browsing, books, reference, magazine and newspaper/periodicals. SC/ST book bank and alumni book bank are established. Reprographic facility and RFID technology are installed.

The institution has air conditioned auditorium of 550 seating capacity with green room, sound proof acoustics, video conferencing facility, 4 gallery rooms with smart boards and 3 seminar halls of 150-200 seating capacity with audio visual facility for curricular, co-curricular and extra-curricular activities. Auditorium lobby is utilized for serving refreshments, blood donation camps, vaccination drives, awareness programs and other academic/social activities. Spacious Cultural & Performing Arts (CPA) centre is available. The institution has well-equipped Sports & Yoga Centre for Indoor games and Yoga programs. Gymnasium with necessary equipments is available. Health Centre with first aid facility and basic health monitoring facility are available.

The institution has RO drinking water facility, washrooms exclusively for girls and boys and Safe Locker facility in each floor. The institution is monitored under CCTV surveillance to ensure safety of students. The institution is equipped with generator and UPS facility for un-interrupted power supply, rain water harvesting and sewage water treatment system. The institution conserves energy by enforcing Solar lights, LED lamps /monitors and energy efficient appliances.

The institution has elevators, ramp for differently abled. Canteen facility is available. Common Room for girls and attached wash room with sanitary napkin incinerator and dispenser are made available. Parking is available in the basement. Internal Quality Assurance Cell (IQAC) with conference table is set up. Rooms are earmarked for NCC unit, NSS unit, Women Empowerment Cell, Entrepreneurship Development Cell, Student Welfare Cell, Anti-Ragging Cell, Counselling Cell, Grievance Redressal Cell, Placement Cell, R&D Cell, Eco-Club, Student Council etc. The institution has provided separate space for Alumni Association office. The Oxford Science Skill Enhancement Centre (TOSSEC) is set up to cater to skill enhancement activities.

The institution has Admission block, Counselling rooms and Administrative block, Fee counter, Documents Issue Counter, Centralized Examination Control Rooms, Strong Room and Pantry. Board Room with video conferencing facility and interactive display panel is available.

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

4.1.2

Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years

Response: 16.29

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

2021-22	2020-21	2019-20	2018-19	2017-18
45.91	6.45	40.84	16.44	58.61

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	View Document

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:

The institution has air conditioned library centrally located with a total area of 3027 sq. mt., spread across 3 levels with 356 seating capacity that complements the rich learning experience. The layout of the library houses separate sections for Text Books, Reference Books, Journals, Periodicals, Circulation, Technicals, Newspapers, New Arrivals, Browsing, Lounge area for relaxed reading, Competitive Examination Study corner, Reading Hall for students and faculty.

Library is fully automated by Integrated Library Management System (ILMS) with LIBSOFT library software. The library is equipped with Drillbit Plagiarism Detection Software and Turnitin AntiPlagiarism Software is made accessible across The Oxford Group of Institutions.

JUNO ERP provides the advanced Library Management tool by accommodating various modules for library housekeeping operations like, Registration of Members, Transaction of Books and non-book materials, Online Public Access Catalogue and the Digital Repository with the remote login credentials.

The library houses 34,888 books, 206983+ online books and 49 scientific journal, 11000+ online national and international journals, periodicals, magazines, CDs, DVDs and dissertations. E-resources (INFLIBNET-NLIST and DELNET) can be accessed either in-house or remotely. OPAC system is in place to facilitate the readers to search the information through keywords, author, title etc., Search aggregator, Index/web indexing and web search query are the three major federated search engine tools used in the library to search articles/information in the multiple databases.

Library has adequate number of computer terminals to facilitate searching e-resources, web browsing and for other academic work. Provision has also been made to allow downloading/printing of material from these resources. It has excellent ICT infrastructure with adequate bandwidth for fast and seamless access to Internet. Free Wi-Fi, internet access, download and printout facility have been provided.

The Library is facilitated with the following:

- ♦ Reprographic Facility
- ♦ Department Library facility
- ♦ Gold and Silver Card Facility for Students
- ♦ Inter Library Loan (DELNET)
- ♦ Open Access System
- ♦ New Arrivals display
- ♦ Book Exhibitions
- ♦ Question Paper Bank Services
- ♦ Document Delivery or Bay Guide Services
- ♦ Bibliographic Compilation Services
- ♦ Circulation Service
- ♦ Reference Service

- ♦ OPAC Search Service
- ♦ Internet Browsing Service
- ♦ Newspaper Clipping Service
- ♦ Competitive Exam Book Bank
- ♦ SC/ST Book Bank
- ♦ Alumni Book Bank
- ♦ Rare Book

The best practices followed in the library includes:

- ♦ Information Literacy Programme
- ♦ Extended Library Hours
- ♦ Colour coding of reference books
- ♦ Remote access of e-learning resources
- ♦ Best Library User Award
- ♦ Feedback from Users

The institution has spent Rs. 48.69 lakhs over the span of 5 years for subscription of journals and purchase of books. Library Advisory Committee comprising of faculty and students across the disciplines is in place to guide the effective functioning of the library.

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

4.3 IT Infrastructure

4.3.1

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

Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words

Response:

Updation and upgradation suiting to the technological advancements is consistent and constant in the institution as it has a direct impact on quality of teaching, learning and administration. The institution has state-of-the-art ICT infrastructure to support academic, administrative and research activities with latest hardware and software. The campus is WiFi enabled and has sufficient bandwidth for internet connection, which helps the institution operate efficiently in the modern digital age that has a positive impact on the institution's productivity, communication, learning experience, efficiency and security. The

institution has 9 computer laboratories with total of 625 computers across departments out of which 565 computers are reserved for students use and 60 computers for faculty and office use.

The computer labs are equipped with High-end server systems like PowerEdge, and High-Performance Intel Blade System. These server systems are used for Smart Campus Activity to provide the functionality of new Wordsworth Language software, Gerber Software, Microsoft Server etc.

The institution has ICT-enabled classrooms that consist of new generation interactive display boards, smart boards and projectors to provide better communication channels such as video conferencing, online classes and meetings, instant messaging, and ICT tools for curriculum delivery. The institution enhances the network facility as and when required according to the needs of the curriculum. Presently, the institution is a WiFi-enabled campus with 70 MBPS of FutureNet, that enable to access online resources such as videos, simulations, and other multimedia content more easily to students thereby enhancing their learning experience making it more engaging and interactive.

The computer labs are equipped with the latest versions of scientific/technical software and training kits catering to varied requirements of different disciplines. Updation and upgradations undertaken include:

- ♦ Client systems upgraded to latest processor configured with Intel Core that support all high-end software.
- ♦ Computer peripherals and hardware equipments upgraded to DDR2 RAM, SMPS, Hard disk (160GB Seagate sata)
- ♦ Upgraded to Sonicwall Secure Upgrade Plus-Advanced edition Firewall
- ♦ Replacement of old batteries with new Exide External Turbo Tubular Battery
- ♦ Updation of Quickheal Anti-virus
- ♦ Sun Solaris lab upgraded with Dell Optiplex 10th generation Systems
- ♦ CAD lab systems upgraded to Dell Optiplex 10th generation Systems with graphics card to support latest version of Gerber software
- ♦ Bioinformatics lab systems upgraded to latest processor configured with Intel Core that support all high-end software.

Upgraded to HP Tower with 21.5 inch monitors to support University portal & latest version of CMS.

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

4.3.2

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

Response: 19.85

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

year:

Response: 101

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	View Document
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	View Document

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 (INR in Lakhs)

Response: 62.41

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

2021-22	2020-21	2019-20	2018-19	2017-18
105.94	77.79	154.53	150.87	155.35

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

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

Response: 78.63

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

2021-22	2020-21	2019-20	2018-19	2017-18
1967	1846	1738	1834	1182

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

[View Document](#)

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

[View Document](#)

5.1.2

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)
4. ICT/computing skills

Response: C. 2 of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	View Document
Report with photographs on ICT/computing skills enhancement programs	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.1.3

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

Response: 75.72

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

2021-22	2020-21	2019-20	2018-19	2017-18
1724	1916	1718	1678	1214

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

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: B. 3 of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	View Document
Proof related to Mechanisms for submission of online/offline students' grievances	View Document
Proof for Implementation of guidelines of statutory/regulatory bodies	View Document
Details of statutory/regulatory Committees (to be notified in institutional website also)	View Document
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	View Document

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: 52.77

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

2021-22	2020-21	2019-20	2018-19	2017-18
358	314	386	306	245

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

2021-22	2020-21	2019-20	2018-19	2017-18
0618	0648	0708	0677	0398

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	View Document
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	View Document
Institutional data in the prescribed format	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 during the last five years

Response: 6.21

5.2.2.1 Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)

2021-22	2020-21	2019-20	2018-19	2017-18
16	9	9	4	6

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3 Student Participation and Activities

5.3.1

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

Response: 15

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

2021-22	2020-21	2019-20	2018-19	2017-18
4	1	4	5	1

File Description**Document**

Upload supporting document

[View Document](#)

list and links to e-copies of award letters and certificates

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

5.3.2

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

Response: 19.4

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

2021-22	2020-21	2019-20	2018-19	2017-18
16	4	22	26	29

File Description**Document**

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

5.4 Alumni Engagement

5.4.1

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

Response:

The institution has a registered Alumni Association (SOR/BLU(S)/DR/08/2011-12) that actively nurtures the relationship between the alumni and alma mater. It strives hard to connect and create engaged alumni network in order to provide platform to reconnect socially, academically and professionally. The Oxford College of Science Alumni Association (TOCSAA) has contributed significantly through financial and non-financial means during the last five years as detailed below:

- ♦ Alumni contributes in enhancing the quality of the institution as one of the member of IQAC and member of Curriculum Development Board (TOSSEC) to ensure conscious, consistent and catalytic improvement
- ♦ Alumni join hands with Alma-mater to organize pre-placement training programs on Soft Skills, Spoken English, Personality Development and Interview Etiquettes, Resume Writing, Elementary Computer Courses and Placement activities
- ♦ Alumni Sponsored Job Fair " Udyog Anusandhan" in 2020
- ♦ Alumni are invited as resource persons for career counselling programs in various disciplines
- ♦ Alumni engage with the alma-mater by delivering talks in webinars, workshops, seminars, symposia, conferences and personality development programs serving as industry-institution-interface
- ♦ Alumni actively engage in cultural and sports competitions/events as trainers, mentors and judge
- ♦ TOCSAA has constituted an Alumni Book Bank in the central library to facilitate academic progression of students
- ♦ TOCSAA has earmarked fund for sponsoring Skill Enhancement Programs offered by The Oxford Science Skill Enhancement Centre (TOSSEC) for Skill Enhancement Program Entrance Test (SEPET) qualified students
- ♦ TOCSAA has contributed financially to establish Bioinformatics laboratory in the college
- ♦ Two of the Alumni have incubated their innovations with the support of the mentors and infrastructure
- ♦ Alumni meet is organized annually for networking and enhance alumni engagement
- ♦ TOCSAA has created a platform for alumni to get engaged by contributing financially to establish Memorial Chair which is utilized to support students from economically weaker section of society

Additionally, TOCSAA has constituted

- ♦ Alumni Achiever Award (AAA) which is bestowed upon an "Alumnus" who has attained outstanding success in their field
- ♦ Young Alumni Achiever Award (YAAA) which is bestowed upon an "Alumnus" who has made significant contributions to the Alma mater/community in order to encourage and motivate the Alumni to get engaged with alma-mater
- ♦ A platform for the Alumni to set up National and International Chapter
- ♦

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

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:

Vision:

To participate in the nation's march towards a knowledge society by nurturing intellectual growth and sound value systems in students through science education.

Mission:

Our mission is to realize the empowering and ennobling aims of education through scientific knowledge and research by providing an excellent learning environment with emphasis on values.

The institution emphasizes on holistic development of students, and accordingly focuses on intellectual growth, personality development and sound value systems through value-based science education. To achieve intellectual growth, the institution creates conducive academic, research ecosystem explores innovative cum effective pedagogy and establishes institute industry interface. The institution thrives hard to channelize the energy of students towards creativity, team spirit and service with dedication, devotion and discipline. The institution believes in imparting value based education going beyond mere responsibility to ensure graduating students are intellectually sound and socially responsible citizens.

The Institution adopts interdisciplinary approach in various academic and research activities which is in line with NEP adherence. The institution has established various centres, council, cells and clubs to conduct activities that reflects the vision and mission statement of the institution.

- ♦ The Oxford Science Skill Enhancement Centre (TOSSEC) offers Add-on programs, Skill Enhancement/Development Programs, Workshops and Enrichment Programs that kindles scholarly growth of a student.
- ♦ The Research and Development Cell and Institute's Innovation Council hosts conferences, seminars, lecture workshops, encourages internships and projects, creates awareness on patents, intellectual property rights and research methodologies to foster and strengthen research ecosystem in the campus.
- ♦ The Value Education Club and Joy of Giving Club conducts activities to instill human values and make students socially responsible.
- ♦ NSS and NCC Units sensitize students about community service and civic responsibilities.

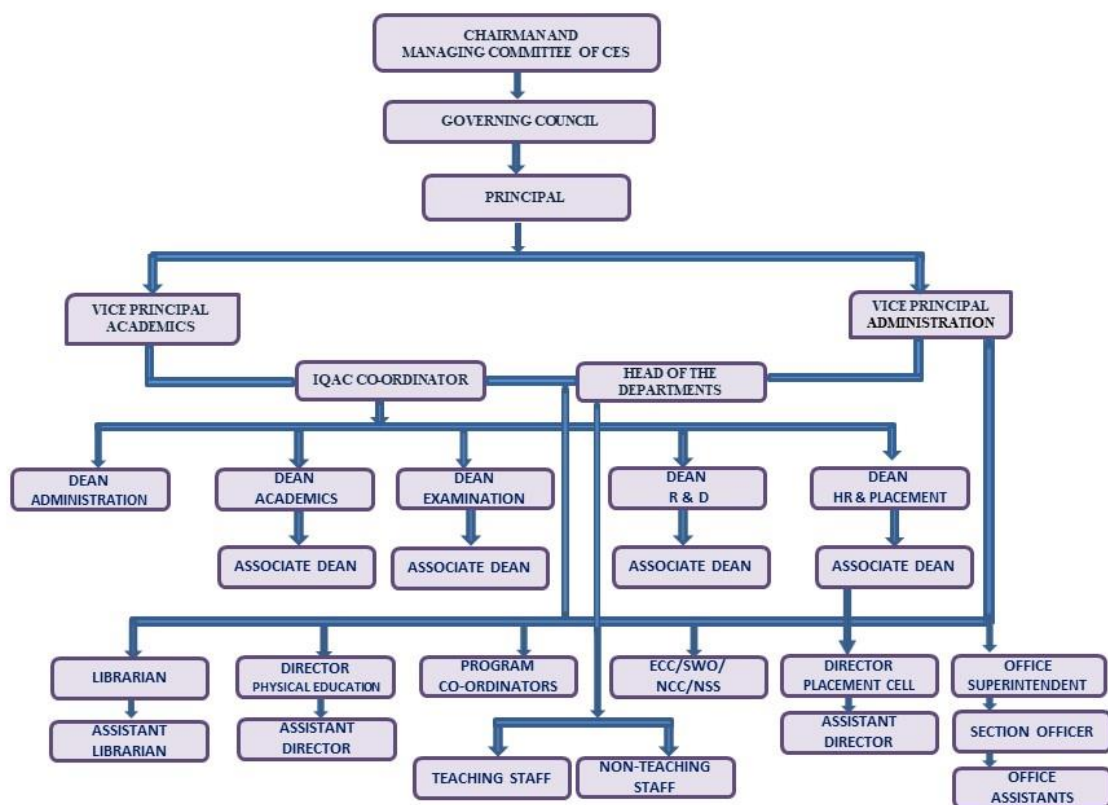
The central focus of governance is to realize the vision, mission and objectives of the institution. The democratic, participative and transformational leadership approach ensures that there is involvement of

all the stakeholders in the decision making process. Delegation of responsibilities, adequate communication at all levels and quality control mechanisms are in place and achieved through

- ♦ Decentralization with clear definition of roles and responsibilities (Organogram)
- ♦ Delegation of decision making authority for effective governance
- ♦ Involvement of key stakeholders in Annual Strategy Meet
- ♦ Clear escalation matrix to resolve issues faced by staff
- ♦ Capacity building programs for administrators
- ♦ Annual Academic and Administrative Audit
- ♦ Comprehensive feedback mechanism to aid transparency in governance

The Managing Committee and Governing Council design the institutional policies. The Principal delegates authority to various positions such as Vice-Principals, Deans, Heads of the Departments, Co-ordinators, Librarian, Physical Education Director, Office Superintendent who are empowered to take operational decisions in their respective areas. Various committees viz., Admission Committee, Tmetable Committee, Academic Committee, Examination Committee, Research Committee, Staff Welfare Committee, Internal Complaint Committee and Cells viz Student Welfare Cell, Anti-Ragging Cell, Grievance Redressal Cell, NSS/NCC Unit are formed for execution of the action plan. The wider participation of faculty and staff in the decision making process is ensured by the virtue of their membership in Governing Council, IQAC, Curriculum Development Board(TOSSEC), Cells and Committees, that execute policies and programmes and their involvement in Annual Strategy Meet for crafting the short/long term plans in concurrence with persepective plan. This democratic approach in decision making has been the backbone of the effective functioning of the institution.

The Oxford College of Science



File Description

Upload Additional information

Document

[View Document](#)

6.2 Strategy Development and Deployment

6.2.1

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

Response:

The institution is governed by well -defined policies and regulations crafted by Managing Committee (MC) as detailed below that aims at providing comprehensive framework for general administration to achieve organisational goals and objectives.

- ♦ Administrative Policy
- ♦ Admission Policy
- ♦ Teaching & Learning Policy
- ♦ Evaluation Policy
- ♦ Research Development and Innovation Policy
- ♦ Consultancy Policy
- ♦ Human Resource and Staff Development Policy
- ♦ Women Empowerment Policy
- ♦ Placement Policy
- ♦ Student Welfare policy
- ♦ Alumni Association Policy
- ♦ Inclusive Policy
- ♦ Anti-Harassment Policy
- ♦ Anti-Ragging Policy
- ♦ Library Policy
- ♦ Computer Usage and Networking Policy
- ♦ Upgradation and Procurement Policy
- ♦ Resource Mobilization Policy
- ♦ Green Policy
- ♦ E-Governance policy

The institution has a well-structured organogram and rules regulating policies, procedures and practices to facilitate effective administration.

- ♦ Managing Committee {MC(CES)} frames the operational, financial guidelines and sets a framework for implementation
- ♦ Governing Council (GC) reviews and approves academic and administrative proposals
- ♦ Principal is entrusted with the responsibility of managing day-to-day academic and administrative affairs of the institution
- ♦ Vice-Principals assist the Principal in the academic and administrative matters of the institution
- ♦ Principal, Vice-Principals & IQAC Co-ordinator set quality benchmarks and goals for all the deanery in concurrence with Perspective/Strategic plan and conduct internal academic and administrative audits
- ♦ Deans/Associate Deans implement action plan and conduct activities to achieve the set goals
- ♦ Head of the Departments/Co-ordinators support the Deans in the execution of plans and supervise the smooth functioning of their respective departments
- ♦ Cell/Committee Co-ordinators, Student Welfare Officer, NSS & NCC officers support Deans in implementation of set objectives
- ♦ Librarians, Director/Assistant Directors-Placements and Physical Education contribute to student support services
- ♦ Office Superintendent co-ordinates and manages office staff and liaisons with University
- ♦ Accounts Manager, Purchase Manager and Facility Maintenance Manager co-ordinate with Principal in the matters of their respective portfolios

The institution has put in place clear guidelines and policies for employee recruitment and promotion. Staff Recruitment Committee is entrusted with the responsibility of recruiting teaching and non-teaching staff. The mechanism includes

- ♦ Job vacancies are advertised through internal and external channels such as institution's website, social media, employees' network and local newspapers
- ♦ Recruitment process includes demonstration class, technical and personal interview followed by Chairman's approval
- ♦ Employee promotion to higher grades is governed by the institution's service rules and policies

Deployment of perspective plan is imperative to enhance quality standards of the institution. The mechanism of deployment is as follows

- ♦ Perspective/Strategic plan with long term and short term goals is crafted during the Annual strategy meet involving key stakeholders
- ♦ Draft of Strategic plan is placed before the GC for approval
- ♦ Blueprint for deployment of strategic plan is prepared by Principal with Vice-Principals and IQAC Co-ordinator
- ♦ Action plan is implemented and monitored by respective Deans
- ♦ Action plan is implemented by HoDs and Cell/Committee Co-ordinators

File Description	Document
Upload Additional information	View Document
Institutional perspective Plan and deployment documents on the website	View Document

6.2.2

Institution implements e-governance in its operations

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

Response: C. 2 of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	View Document
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	View Document
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	View Document

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 institution implements many welfare schemes for the teaching and nonteaching staff. Besides intellectual and professional development, it also offers financial and health securities for its employees. Professional development is ensured through providing opportunities to participate in workshops, seminars, conferences, refresher courses and faculty development programs. The faculty members are rewarded for publishing research papers in National and International journals. The faculty are motivated to make academic advancement and supporting staff are encouraged to update their administrative skills.

The management considers the employees as “Oxford Family” and ensures the wellness of its employees by various schemes detailed below:

- “Best Teacher Award” in recognition of contribution of teachers towards adapting innovative pedagogy in improving learning outcome
- Best Employee Award" in recognition of contribution of non teaching staff
- Staff Development/ Training Program, professional skill, life skill training and staff development programs imparted periodically
- Research Promotion schemes
- Study Leave for upgradation of professional skills
- On Official Duty (OOD) Leave for attending Refresher Courses, FDPs, Workshops, Conferences, and for pursuing part time Ph.D work
- Financial support for participating FDPs, Workshops, Conferences
- Financial rewards for publishing research papers in national and international journals
- Incentive for grant of projects and patents
- Health and dental card facility for employees
- ESI Scheme for all eligible employees
- EPF Scheme for all eligible employees
- ♦

- ♦ Group Insurance for all employees
- ♦ Transportation facility from a designated place to campus for employees
- ♦ Maternity and Paternity leave
- ♦ Freedom to voice the opinion through Suggestion box
- ♦ Gymnasium for physical fitness
- ♦ Indoor game facility to refresh physically and mentally
- ♦ Fee concession for wards of Oxford employees

File Description	Document
Upload Additional information	View Document

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: 1.42

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

2021-22	2020-21	2019-20	2018-19	2017-18
6	00	00	01	01

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

6.3.3

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

Response: 46.39

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

2021-22	2020-21	2019-20	2018-19	2017-18
61	66	62	58	55

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

2021-22	2020-21	2019-20	2018-19	2017-18
20	19	18	16	14

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

6.4 Financial Management and Resource Mobilization**6.4.1**

Institution has strategies for mobilization and optimal utilization of resources and funds from

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

Response:

The institution ensures effective financial management through comprehensive planning, accounting, reporting and protection of assets. The financial outlay, budget planning and optimal utilization of the resources are ensured by transparency and accountability in internal and external audits. A systematic mode has been evolved and developed for effective appropriation of the resources of the Institution.

Mobilization of Funds

The institution mobilizes funds primarily through the following channels:

- ♦ Fees collected from the students.
- ♦ Grants from funding agencies for research and infrastructure development projects.
- ♦ Grants from funding agencies for hosting conferences, seminars, lecture workshops and capacity building programs
- ♦ Revenue from Consultancy and Incubation
- ♦ Revenue from organizing FDPs, conferences, etc.,
- ♦ Interest generated from bank for fixed deposits.
- ♦ Revenue from renting resources like auditorium, parking facility and classrooms.
- ♦ Financial assistance for community engagement, extension and outreach activities.
- ♦ Contribution from The Oxford Institution of Science Alumni Association (TOCSAA)
- ♦ Contribution from Philanthropists.

Optimal Utilization of Funds

The institution has well defined procedures with respect to the allocation of funds for its various operations. Day-to-day financial transactions are monitored by the Accounts manager. All financial protocols are diligently followed at every level. The mobilized funds are utilized primarily for the following areas.

- ♦ Infrastructure Expansion, updation, upgradation and maintenance
- ♦ IT updation, upgradation and maintenance.
- ♦ Upgradation and procurement of lab equipments, consumables etc.,
- ♦ Library upgradation and maintenance like purchase of books, subscription of journals, e-resources, library software, infrastructure etc.,
- ♦ Expenditure towards procurement of hardware, networking, software, ERP, AMC, CMC and other office consumables
- ♦ Academic and Co-curricular Activities like guest lectures, enrichment programs, skill enhancement programs, Add-on programs, workshops, club activities, PDPs, FDPs, etc.,
- ♦ Research and development activities like seminars, conferences, rewards for paper publications, incentives for projects/patents, sponsoring for participating in conferences and for publishing research Journal TOJSR, Short Term Training Programs, SDPs, FDPs, etc.,
- ♦ Extra-curricular and extension activities like sports, cultural, fashion show, awareness programs, outreach programs etc.,
- ♦ Student support schemes like Fee concession, Fee Waiver, scholarships and sponsorships

- ♦ Disbursement of salaries to staff
- ♦ HR activities like Staff Development Programs, Professional Development Programs, Leadership Development Programs etc.,
- ♦ Career Guidance, Placement activities like pre-placement training, placement drives and job fairs
- ♦ Centre for Physical Education upgradation and maintenance like purchase of sports/gym equipments and other consumables
- ♦ Equipments and utilities for Centre for Performing Arts.

File Description	Document
Upload Additional information	View Document

6.5 Internal Quality Assurance System

6.5.1

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

Response:

The Internal Quality Assurance Cell (IQAC) plays a crucial role in the institution by enhancing the quality of education and institutional performance. The IQAC's contributions are multifaceted and span across all aspects of institution's operations as detailed below:

Quality Assurance Systems: The IQAC has institutionalised quality management systems to monitor, evaluate, and to improve institutional performance. It has developed policies, guidelines, frameworks and mechanism for quality enhancement.

Planning and Development: IQAC has devised the strategic plans and deployment mechanism aligned with the vision and mission. It has engaged in long-term and short-term planning exercises, has monitored its implementation, and has evaluated the outcome to ensure continuous improvement.

Academic Quality Enhancement: IQAC has focused on improving the quality of teaching, learning, and assessment methods employed. It has promoted FDPs, STTPs to enhance pedagogical practices and promote effective use of technology. Establishment of TOSSEC and Virtual Lab Nodal Centre is testimony for the same.

Internal Evaluation and Feedback: IQAC has established fair and transparent mechanism for internal evaluation and feedback within the institution. It has conducted regular audits, self-assessments, and peer reviews to evaluate the effectiveness of all the activities. Introduction of Centralised Evaluation System is testimony for the same.

Research and Innovation: IQAC has facilitated creating research and innovation ecosystem. IQAC aided dissemination of research findings into teaching and learning processes. It has monitored the quality and impact of research outputs. Projection, in-house journal TOJSR are the success indicators.

Quality Culture and Stakeholder Engagement: IQAC has fostered a culture of quality consciousness and continuous improvement among key stakeholders. It has promoted a participatory and inclusive approach by involving and seeking stakeholder's inputs and feedback for formulating mechanisms. Academician's meet and Stakeholders Meet organised during Strategy Meet is testimony for the same.

Best Practices and Benchmarking: IQAC has identified and promoted best practices in the institution by benchmarking against global standards. It performs ranking analysis and disseminates information on innovative practices. Skill enhancement programs, in-house journal TOJSR, capacity building programs, improvement exam, techno-cultural fests and Perspective/Strategic Plan & Deployment document are some of the best practices initiated.

IQAC is instrumental in reviewing and monitoring teaching-learning, adopting the following methodologies

- ♦ Dean Academics designs teaching and learning activities in-concurrence with IQAC and monitors its implementation
- ♦ IQAC conducts regular meetings with Deans and HoDs to review teaching and learning activities
- ♦ IQAC reviews lesson plan, work-done diary, Mentoring System, Evaluation mechanism, Syllabus completion report and Academic Audit report
- ♦ IQAC reviews CO/PO/PSO mapping and attainment
- ♦ IQAC reviews and analyses the feedback taken from all stakeholders and suggests corrective and preventive measures
- ♦ IQAC monitors the functioning of The Oxford Science Skill Enhancement Centre (TOSSEC), established to prepare students for the demands of the workforce to join hands with Nation's march towards "Atmanirbhar Bharat" imparting new generation skill development programs
- ♦ IQAC promotes capacity building and knowledge dissemination initiatives to nurture faculty
- ♦ IQAC constantly updates and upgrades in line with technological advancements

The IQAC fosters a culture of excellence, by focusing on quality assurance and sustenance thereby enhancing quality quotient of the institution. The IQAC's continuous efforts has resulted in securing various recognitions, rankings and accolades.

File Description	Document
Upload Additional information	View Document

6.5.2

Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
- 2.Academic and Administrative Audit (AAA) and follow-up action taken**
- 3.Collaborative quality initiatives with other institution(s)**
- 4.Participation in NIRF and other recognized rankings**
- 5.Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

Response: A. Any 4 or more of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	View Document
NIRF report, AAA report and details on follow up actions	View Document
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	View Document
Link to Minute of IQAC meetings, hosted on HEI website	View Document

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:

TOCS advocates gender equity in all the initiatives and emphasizes on gender sensitization activities. The institution has witnessed gender equality over the decades in student enrolment. The Girls and Boys ratio is around 55:45 over the years. Owing to the conducive environment in the campus, affordable fee structure and regular conduct of gender equality promotion programs, the institution is able to maintain this ratio.

The institution is governed by well-structured Women Empowerment Policy and Anti-Harassment policy that envisions zero tolerance on harassment, advocates equality, upholds dignity and ensures safety. The University prescribed syllabus also advocates the equality like Indian constitution, Understanding Gender, Capacity Building for gender practitioners and Society through Gender Lens and others. Besides, the institution has constituted Women Empowerment Cell to promote a culture of respect, equality, empower mentally/emotionally and to educate about their rights and on gender specific issues in the areas of health, legal, career and social. Internal Complaint Committee (Anti-Sexual Harassment Cell) is constituted to resolve issues related to harassment. The institution edifies all the stakeholders by publishing the policy and UGC regulations act 2015 on website and in CMS portal.

To realize the objectives of the policies and cells, various activities viz., awareness programs, guest talks, observance of national/international days of importance are conducted as detailed below:

- ♦ Equal opportunities are provided to all students to participate in any of the curricular, co-curricular and extracurricular activities.
- ♦ Student council is constituted with class representatives (CRs)-one each from both the genders.
- ♦ Prominent speakers are invited to enlighten students on Gender sensitization.
- ♦ Awareness initiatives on Anti sexual harassment and code of conduct.

The Institution takes care to assign the roles and responsibilities equally among men and women employees as evidenced by gender equity in Administrative portfolios. Financial Literacy program is conducted to educate on finance management.

List of Facilities for Girls:

- ♦ Safety of students is ensured with 24/7 security at the main gate, hostels, CCTV surveillance, security personal on duty throughout the campus during institution hours
- ♦ Exclusive Common room facility for the girl students.

- ♦ Separate hostel facility for girls with a lady warden and adequate security.
- ♦ Transport facility for the hostelites.

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

7.1.2

The Institution has facilities and initiatives for

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

Response: B. 3 of the above

File Description	Document
Geo-tagged photographs/videos of the facilities.	View Document
Circulars and report of activities for the implementation of the initiatives document	View Document
Bills for the purchase of equipment's for the facilities created under this metric	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.3

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

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

Response: B. Any 3 of the above

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	View Document
Green audit/environmental audit report from recognized bodies	View Document
Certificates of the awards received from recognized agency (if any).	View Document

7.1.4

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

Response:

The Institution strives to foster an inclusive environment and diverse culture to ensure unity in diversity. It ranges from the students enrolment, faculty recruitment to policy making.

- ♦ Admission policy envisions an inclusive student community. Students across the state and country from all kinds of background are given equal opportunity during admissions.
- ♦ HR policy encourages faculty representation from different socio-cultural backgrounds. Accordingly, the faculty members are appointed without any discrimination in terms of caste, creed, gender and physical disabilities.
- ♦ Inclusive policy advocates equality to all sectors in order to inculcate sound value systems and respect each other responding to diversity.
- ♦ Equal Opportunity Cell ensures the harmony of students from diverse regions, class, religion, and caste, social and cultural backgrounds.
- ♦ Grievance Redressal Cell functions to endorse zero tolerance policy for any kind of harassment, ragging and discrimination.
- ♦ Some of the Inclusive Facilities and initiatives are
- ♦ Study Centers on Buddha, Gandhi and Dr. B.R. Ambedkar is set up to inculcate human values such as peace, forgiveness, equality and social justice.
- ♦ Youth day is observed to commemorate Swami Vivekananda birth anniversary wherein his ten commandments of self-discipline is orated for character building.

Initiatives to create cultural, regional, linguistic, communal and socioeconomic harmony includes:

- ♦ Cultural club – Kaladhamini is vibrant throughout the year with variety of cultural programs. Students from various regional and cultural backgrounds participate in such programs and present their regional or cultural folk songs and dances.
- ♦ Regional and foreign languages like Kannada, Hindi, Tamil, Malayalam, Telugu, Urdu, Arabic, French, German and Persian are offered.

The institution engages in organizing activities to ingrain constitutional obligations: values, rights, duties and responsibilities of citizens to students ranging from curriculum lectures to awareness programs and voluntary activities.

- ♦ Constitution of India, a compulsory paper for UG programs develop deep understanding of fundamental rights and duties.
- ♦ Student Welfare Cell organizes awareness programs on legal literacy, drug abuse, human rights, community development regularly
- ♦ Human Rights day is observed to educate stakeholders on importance of human rights
- ♦ Independence day is celebrated to comprehend the sacrifices of freedom fighters
- ♦ Republic day is celebrated to applaud the enactment of constitution of India.
- ♦ The Institution observes Bhasha Diwas, Sadbhawana Diwas, Unity Day, Azadi ka Amrit Mahotsav etc.,

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

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 1:

1. Title of the Practice: Comprehensive industry oriented programs to enhance the skill quotient of students

2. Objectives of the practice: The Institution supplements the curriculum with diverse tailor-made skill enhancement and capacity building programs with an objective of honing their technical skills, soft skills and employability skills to make the students industry-ready. The Course content, the methodology used, and the expected outcome are designed to bridge the gap between industry and academia. The collaborative learning, experiential learning, participative learning and interdisciplinary learning are the different pedagogy adopted. The practice of an integrated curriculum enables the students to identify the thrust areas, acquire inquisitive mind set, improves hands-on skills to develop scientific temper and enhance skill quotient.

3. The Context : A Significant section of our students come from various subject backgrounds for a

particular course and hence are not able to pursue the concepts. They lag scientific insight and technical perception. It's highly essential for a student to have strong theoretical knowledge and hands-on skills to be successful in career. Missing any one skill may result in low performance during their academic term and hamper better career opportunities. In this context, it is imperative to enrich their learning in order to develop skilled professionals.

4. The Practice: The Institution has established The Oxford Science Skill Enhancement Centre (TOSSEC) to cater to the diverse needs of students. Curriculum Development Board (CDB) is constituted that comprises of Academicians from University, Professionals from Industry, Alumni and senior faculty members from each department. The inputs received during Academicians/Stakeholders Meet organised during Strategy Meet is deliberated upon and different practical oriented courses are designed in thrust areas which are not part of the core curriculum. The course modules designed is placed before the CDB for vetting the syllabus. TOSSEC identifies the faculty members in each department as Program Co-ordinators to execute the CDB approved Add-on programs. The skilled professionals from the industry are invited to share their experience/expertise and throw light on key features and benefits of the program. The evaluation is done as per the scheme set by the CDB. Students have flexibility to choose from the array of programs offered. To encourage more number of students participation The Oxford Unnati Scholarship (TOUS) is provided for those students qualifying Skill Enhancement Program Entrance Test (SEPET) to pursue Skill enhancement/Capacity building programs.

5. Evidence of Success: The major evidence of success is the striking increase in number of skill enhancement programs offered resulting in augmenting skill quotient of 1809 students. This has amplified the placement scenario by 25% especially in niche area. The institution has attracted international placements too. The approach of integrating skill enhancement initiatives in the curriculum has received wide appreciation in the university. The active learning process engaging students in hands-on activities rather than passive acquiring of knowledge has been well received.

6. Problems Encountered and Resources required: Finding the resourceful professionals and time constraint to implement the enriched curriculum were some of the challenges faced in early days of implementing the programs. However, the institution has addressed the problem by developing a sustainable mode of implementation by executing 80 MoUs to invite professionals as resource persons, by offering the program in extended hours with attractive scholarship scheme.

BEST PRACTICE:2:

1. Title of the Practice : Exposure to Research and Innovation Ecosystem to develop Research acumen

2. The objectives of the practice: The institution aims to provide an ecosystem that stimulates scientific temperament, inquisitiveness, augment research acumen, provide a platform for deliberation, sharing and dissemination of knowledge which is current and up-to-date, provide interactions with researchers, entrepreneurs and exposure to entrepreneurship thereby strengthening research/innovation environment

3. The Context: Academic curriculum designed and offered by the parent university focus more on covering fundamental concepts in theory and practice and provide very little scope for developing student's research acumen. The academic calendar is designed and packed with activities oriented towards their curricular development and evaluation. Overall development of a student can be achieved only through an environment that provides exhaustive exposure to recent developments, necessity for

innovation, sensitization to moral and ethical scientific approaches. Hence, exposure to research and innovation ecosystem seemed appropriate for their holistic development.

4. The Practice: Grooming and nurturing students to be creative, innovative, ethically sensitized and socially responsible is considered as one of the objective of the institution. Therefore, students were continuously engaged in activities that provided necessary exposure. Their interest in research and innovation was nurtured through activities like conferences, seminars, workshops and symposiums. Program on Research Methodology provided them an exposure on how to design and execute research project and publish scientific articles. Projethon provided platform to inspire good quality research and sharpen interpretation/presentation skills. Students were given an opportunity to savor the flavor of innovation through activities like hackathon and the need for skill based approach was emphasized through Skillathon. They were also introduced to entrepreneurship development programs and interactions with entrepreneurs.

5. Evidence of Success: Exposure to research and innovation ecosystem showed significant changes in the research acumen among students. Their active participation and engagement in research based activities is a testimony for the same. Students took the initiative to set up Science Club, ORCAS and Raman and Curie corner in the campus. The introduction of Projethon & TOJSR resulted in 181 oral/poster presentations, 41 research articles from in-house projects, 39 awards and recognition, 4 innovations, 2 incubations and 3 volumes of TOJSR, an online multidisciplinary journal with ISSN: 2581-9380 has been released and is under consideration for UGC-CARE list.

6. Problems Encountered and Resources required: Semester system implemented currently in our higher education system has taken away most of the time available for students to involve themselves in research. Ever changing calendar of events from our parent university often leads to a uncertainty among the students to involve themselves in research. However, the institution has managed to address the problem by extending the working hours, allotting dedicated time for project work and motivating students to pursue their research endeavour.

File Description	Document
Any other relevant information	View Document
Best practices as hosted on the Institutional website	View Document

7.3 Institutional Distinctiveness

7.3.1

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

Response:

Seamless Scientific & Holistic Learning Approach to Ignite Scientific Acumen, Instill Values &

Social Responsibility

The Institution has embraced holistic learner centric Science Educational Paradigm that

- ♦ Nourishes holistic environment to develop scientific, ethical and socially responsible individuals.
- ♦ Gives ample scope to be imaginative, creative, innovative and also be emotionally-refined.
- ♦ Develops scientific temperament that equips students with skills and habits necessary to make informed decisions and contribute positively to the society
- ♦ Round the year Science-based activities to think critically, be resilient and troubleshooting, solution driven.
- ♦ Ignite young minds, instigate their curiosity and excitement for STEM.
- ♦ Promotes students to be better leaders and decision makers in future and enables to build a nation with socially responsible science graduates.

The Vision and the Mission of the College lays thrust on building scientific temper through various modes. Programmes for students encompass scientific and creative development.

Seamless Scientific and Holistic learning is elucidated as distinct learning environment that provides continuous learning experience as it imparts in or out-of-class learning, academic or non-academic learning, curricular or non-curricular learning, on and off campus experience, formal or informal learning and learning with or without technology. In global scenario to provide holistic education, seamless learning approach is considered as one of the significant game changer in enhancing integrated learning experience.

Seamless teaching and learning environment has evolved in the past decade due to the accessibility and affordability of virtual platforms leading to abundant usage of various ICT tools, creating a comprehensive and interconnected learning experience. Techno-cultural fests have evolved so much due to the integration of all these approaches and has become more popular as students can learn while having fun. The institution has always been pro-active, forward thinking and responsive to the diverse needs of students and accordingly has ensured every department conducts techno-cultural fests round the year, uniquely designed by the students with new themes to provide seamless teaching and learning ecosystem

Micromania: Lab-skill competitions along with Fabric painting, microstar, electric heels, logo making etc., are organised.

ATGC: Unique competitions like Forensics, Biomads, Tune it up, #my-video-from-home, Connexion, Emojis rechallenge, Bio-rangoli, are organised to showcase students' skills.

Biogyrus: Industrial Development Program is organised with events like Unveil Ur Intellect to troubleshoot the problems to build problem solving capacity.

Bio-Constellation: Model Exhibition with different scientific themes like Food-Biochemistry, Clinical-Biochemistry, Enzymes in RDT, Sustainable energy, Alternative foods and toxicology.

Genesis: Events like fun with science; Unlock your inner Sherlock, final-destination, aim-speak, nutrigenomics, illusion drawing, accuracy test and twister are organised.

Flora-Fauna: Awareness is provided to safeguard long-term future of world's threatened species and habitats.

Rasayana: Competitions on experiments, that include acid rain, instant-snow, fluorescence, food adulteration, chemistry in crime.

Transient: Competitions like circuit-debugging, Marconi-communication, techtalk, Quizophile and clue-hunt is organised.

Sankhya-Utsav and Siddhantika: Events like quirky-Sudoku, Pythagoras-triplet, dumb-charade, Binomial-game, Chi-Square quiz, Object-Interpolation are organised.

EL-MATICS: Events like Agatha-quize, Unfair game, Enigma, door-dash, lights-camera-action, Insta-acts, dice and equations, regression and puzzle, zero-fuel are organised.

LA-Physique: Competitions like Zentangle, Crazy-Creators and Everything is Relative! are organised to provide broader knowledge and understanding of different fields of Physics.

KALARAVA and Techkriti: Events like Brilliant-code, Image-fold, Smart-hackers etc are organised to institutionalize model for harnessing creativity and technical expertise of students.

Spectra: Fun-filled technical events like decoder, Agatha Christie Quiz, Spider-web, crystal-maze are organised.

Effort of any event is reflected only when executed and accordingly. Department fests enabled students to work in a team and create more long-term solutions and execution management. It enabled them to explore, share, learn, innovate thereby preparing them for the real world. It not only broadened their knowledge base and technical skills, it also enabled to bring out their talent, inner potential, improved interaction and communication skills, provided opportunities to interact with their peers, build network, develop essential skills like planning, teamwork, leadership and more importantly multi-tasking, augmented soft skills as they learnt time management, prioritise work, follow schedule and respect deadlines.

Celebrating Breakthrough Discoveries of Science play a crucial role in fostering appreciation for Science, encouraging lifelong-learning, empowering individuals to participate in scientific discussions and inspiring Science Graduates to explore. It aims to increase scientific literacy and raise awareness about the importance of Science in society by engaging students in science-communication and encouraging critical thinking. Events like 'National Science Day' 'Ramanujan Day', Mendel's Day, DNA Day etc., bring cognizance to students' mind about the beauty of science.

"Believing in a greater cause and fulfilling a greater purpose add value to one's existence."

The Oxford College of Science to empower students in their holistic development in education through scientific knowledge and research, organized several awareness programs. Programs like World Kindness Day, Harmony Day, Unity day sowed seeds of empathy and compassion within the students

and prepared them towards self-awareness and contribute to a more inclusive and just society.

Programs like ‘World Water Day’, ‘World Nature Conservation Day’, ‘World Earth Day’, ‘World Environment Day’ enabled students to develop a sense of environmental consciousness. Programs like NCC day, Youth day contributed in understanding the importance of discipline and values in life.

Programs like ‘World Aids Day’, ‘Mental Health Awareness’ World Health Day, World Cancer Day, World Diabetes Day prepared students to imbibe and explore the role and impact of self-awareness on health-outcomes to enhance overall well-being and promote positive health behaviours; physical, emotional and mental health.

Our mission continues to holistically groom the students in every possible way to make them ready for challenges in their future endeavours.

In nutshell, the Institution has made consistent efforts to keep itself abreast of the contemporary context, constantly qualifying its Vision and Mission to respond to needs and challenges of the times, complimented by seamless scientific and holistic learning. At the centre of all the endeavours are students, whose integral development into persons as academically accomplished, STEM oriented, emotionally balanced, morally upright, socially responsible, ecologically sensitive and professionally committed, providing meaning and justification for the existence and continuation of The Oxford College of Science’s renaissance.

File Description	Document
Appropriate web in the Institutional website	View Document
Any other relevant information	View Document

5. CONCLUSION

Additional Information :

The institution envisions to enhance quality quotient through multifaceted integrated approach by involving various stakeholders at different levels. The multifaceted approach employed includes liberalized restructuring of basic structures of the teaching-learning process, augmenting research culture, inuring innovation, setting explicit goals for improvement, instituting quality literacy, conducting SWOC analysis, introducing quality management SOPs, providing zero defect governance, recognizing and reinforcing success, retaining best talent, developing quality circle to sustain the process and so on. Additionally, the institution actively organizes and participates in various community engagement and extension activities as part of Institutional Social Responsibility (ISR). The institution believes that achieving these multifaceted approaches shall pay a way to march towards Excellence resulting in realizing the vision of building a knowledge society at large. The following awards conferred on the Chairman, The Oxford Educational Institutions is testimony for realizing the vision and mission of the institution.

Concluding Remarks :

The Oxford College of Science endeavours to carry forward the spirit and vision of the Management by providing a vibrant academic ambience and conducive atmosphere to nurture young minds. The institution has noticed astounding success and achievements since its inception. Various accolades and laurels won by the institution is the testimony for the same. The institution envisions to achieve the planned objectives in a structured and phased manner with emphasis on quality of education and service, relevant to the evolving times. Enthusiastic, dedicated, experienced and qualified faculty are hand-picked and groomed by the institution to nurture students' potential. The institution believes in inclusive value based approach and has generated thousands of intellectually sound, professionally skilled and capable young individuals ready to face the real world.

Our journey to nurture the young minds continues

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.2.1	<p>Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)</p> <p>Answer before DVV Verification :</p> <p>Answer After DVV Verification :36</p> <p>Remark : Input edited as per the supporting documents.</p>																				
1.2.2	<p><i>Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years</i></p> <p>1.2.2.1. Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years</p> <p>Answer before DVV Verification:</p> <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>1373</td><td>1400</td><td>1456</td><td>1361</td><td>1344</td></tr></table> <p>Answer After DVV Verification :</p> <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>524</td><td>512</td><td>502</td><td>465</td><td>496</td></tr></table> <p>Remark : Input edited as per the supporting documents.</p>	2021-22	2020-21	2019-20	2018-19	2017-18	1373	1400	1456	1361	1344	2021-22	2020-21	2019-20	2018-19	2017-18	524	512	502	465	496
2021-22	2020-21	2019-20	2018-19	2017-18																	
1373	1400	1456	1361	1344																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
524	512	502	465	496																	
1.4.1	<p><i>Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website</i></p> <p>Answer before DVV Verification : A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website</p> <p>Answer After DVV Verification: B. Feedback collected, analysed and action has been taken and communicated to the relevant bodies</p> <p>Remark : Input edited as per the supporting documents.</p>																				
3.2.2	<p><i>Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years</i></p> <p>3.2.2.1. Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years</p>																				

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
19	24	23	28	18

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
08	12	13	13	06

Remark : Input edited as per the supporting documents.

4.1.2 Percentage of expenditure for infrastructure development and augmentation excluding salary 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:

2021-22	2020-21	2019-20	2018-19	2017-18
113.79	24.68	47.04	17.75	64.40

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
45.91	6.45	40.84	16.44	58.61

Remark : Input edited as per the supporting documents.

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

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

Answer before DVV Verification : 565

Answer after DVV Verification: 101

Remark : Input edited as per the supporting documents.

5.1.2 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)**
- 4. ICT/computing skills**

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: C. 2 of the above
Remark : Input edited as per the supporting documents.

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**

Answer before DVV Verification : A. All of the above
Answer After DVV Verification: B. 3 of the above
Remark : Input edited as per the supporting documents.

5.2.1

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
538	471	541	477	313

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
358	314	386	306	245

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
618	648	708	677	398

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
0618	0648	0708	0677	0398

Remark : 5.2.1.2- Only pass students will be considered, Hence input edited with reference to metric 2.6.3

5.3.1

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
10	3	10	11	3

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
4	1	4	5	1

Remark : Input edited as per the supportive documents.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
21	7	36	48	49

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
16	4	22	26	29

Remark : Input edited as per the supporting documents.

6.2.2 Institution implements e-governance in its operations

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

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: C. 2 of the above

Remark : Input edited as per the supporting documents.

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

6.3.2.1. Number of teachers provided with financial support to attend

conferences/workshops and towards membership fee of professional bodies year wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
42	44	104	91	66

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
6	00	00	01	01

Remark : Input edited as per the supporting documents.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
107	114	112	106	101

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
61	66	62	58	55

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
27	24	30	27	28

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
20	19	18	16	14

Remark : Input edited as per the supporting documents.

7.1.2 The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures

	<p>2. Management of the various types of degradable and nondegradable waste</p> <p>3. Water conservation</p> <p>4. Green campus initiatives</p> <p>5. Disabled-friendly, barrier free environment</p> <p>Answer before DVV Verification : A. 4 or All of the above Answer After DVV Verification: B. 3 of the above Remark : Input edited as per the supporting documents.</p>
7.1.3	<p>Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following</p> <p>1. Green audit / Environment audit</p> <p>2. Energy audit</p> <p>3. Clean and green campus initiatives</p> <p>4. Beyond the campus environmental promotion activities</p> <p>Answer before DVV Verification : A. All of the above Answer After DVV Verification: B. Any 3 of the above Remark : Input edited as per the supporting documents.</p>

2.Extended Profile Deviations

Extended Profile Deviations
No Deviations