



Yearly Status Report - 2019-2020

Part A

Data of the Institution

Part A	
Data of the Institution	
1. Name of the Institution	THE OXFORD COLLEGE OF SCIENCE
Name of the head of the Institution	Dr Kavyashree.R
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08061754547
Mobile no.	9243125478
Registered Email	scienceprincipal@theoxford.edu
Alternate Email	iqacscience@theoxford.edu
Address	#32,17 B Main, Sector IV , HSR Layout , Bangalore-560102 ,
City/Town	Bangalore
State/UT	Karnataka
Pincode	560102

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	private
Name of the IQAC co-ordinator/Director	Ms Gayathri Sudhir
Phone no/Alternate Phone no.	08061754549
Mobile no.	9243125478
Registered Email	iqacscience@theoxford.edu
Alternate Email	scienceprincipal@theoxford.edu

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	http://www.theoxfordscience.org/pdf/AQAR-2018-2019.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.theoxfordscience.org/pdf/Academics%20deanery/2020%20even.pdf

5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.10	2011	16-Sep-2011	15-Sep-2016

6. Date of Establishment of IQAC	01-Jul-2010
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Stakeholders Meet	25-Jul-2019	2203

	1	
Introduction of educational app - POSTO	01-Sep-2019 365	4248
Job Fair	12-Mar-2020 1	938
Setup of Bioinformatics lab	14-Oct-2019 365	200
Establishment of TOSSEC	08-Oct-2019 365	560
Introduction of certificate program on new generation courses	11-Dec-2019 30	200
Setting up of a Science corner	11-Jan-2020 90	70
Online certificate program through app	22-Oct-2019 90	400
Emerging Trends in Biotechnology-Career Guidance Series-I	10-Jul-2020 8	1256
Awareness on new generation courses for sustainable future through career guidance	10-Jul-2020 3	1400
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
DST FIST	FIST	GoI	2019 600	300000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	4
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
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12. Significant contributions made by IQAC during the current year(maximum five bullets)

Establishment of The Oxford Science Skill Enhancement Centre to bridge the gap between industry and Academia Job Fair Conduction of IQAC conference Online coaching for competitive examination through app Introduction of educational app

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

Plan of Action	Achivements/Outcomes
Introduction of education app	Blended learning platform
Job Fair	Increasing the placement percentage
Science corner establishment	Inculcate scientific temper among students
Introduction of The Oxford Science Skill Enhancement Centre	Certificate programs on new generation courses
Online coaching for competitive entrance exams	Ten students cleared IIT-JAM
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14. Whether AQAR was placed before statutory body ?	No
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15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2020
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Date of Submission	19-Feb-2020
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	Online examination with proctoring Online classes Live class Virtual Lab Complete LMS solution MOOC Online Evaluation
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Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

While time to time up-gradation and revision of the curriculum is done at university level, the institution has an effective mechanism and monitoring cell supervised under Dean Academics to execute effective delivery of curriculum and documentation. As a regular practice at the beginning of every academic session, a strategic meet will be conducted involving all stake holders to review and improvise the existing mechanism of curriculum delivery based on the output of the same, an academic calendar is prepared and teaching schedule is assigned according to university mandates. Every academic session of fresh graduates will kick start with an orientation program and bridge course before the actual commencement of regular class. Individual faculty will prepare lesson plan for both theory and practical sessions, the same will be circulated to students before the commencement of the class. The theory and Practical sessions are conducted effectively with blended mode of teaching by using conventional techniques and advanced ICT tools. The progress and effectiveness of the academic delivery and syllabus completion is well monitored and documented both manually and through online portal of campus management system under the supervision of Dean Academics and principal, the report of the same will be forwarded to IQAC for corrective measures if any. To evaluate student progression, class tests, group discussions, internal examinations etc., will be conducted multiple times prior to end semester examination. During the process, the slow learners will be identified and subjected to counselling and mentoring under the supervision of individual faculty to rectify and improvise their academic performances. Curriculum delivery is enriched with activities such as Seminars, assignments, PBL, , , field visits, internships, industrial visits, journal clubs, in-house projects etc., Apart from this in order to enrich specific skills in students, programs like add-on , certificate courses, Value Added Program , Vocational Educational Training programs, peer teaching etc are in practice. At the end of every academic year an academic audit will be conducted for individual faculty and department s, the report of the same will be critically analysed and evaluated. In the process the lacunae will be identified, addressed and achievements will be appreciated and honoured to ensure effective teaching-learning process in each academic cycle.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Modern analytical tools techniques in phytochemical analysis	NA	10/06/2020	7	EMPLOYABILITY	Participants will be equipped with various techniques in extraction, and analysis of phytochemical samples

PCB Designing and Fabrications	NA	08/02/2020	6	EMPLOYABILITY	Participants will be equipped with various techniques in PCB Designing Fabrication
Assay of Biofertilizer	NA	22/08/2019	5	EMPLOYABILITY	The students will acquire thorough knowledge in analysing the suitability and consortia of various biofertilizers
Animal Tissue culturing	NA	04/10/2019	5	EMPLOYABILITY	The participants will be equipped with hands on experience in various techniques of animal tissue culturing
Study of chromosomal aberration in plant model	NA	12/11/2019	7	EMPLOYABILITY	Analysis of growth analysis by Chromosomal aberration
SQL and PL/SQL	NA	14/11/2019	6	EMPLOYABILITY	Students will be skilled in Database management Retrieval
Mathematics for Data Science	NA	16/09/2019	7	EMPLOYABILITY	The participants will be fluent in Mathematical Data management process
Mathematical modelling	NA	15/07/2019	6	EMPLOYABILITY	The participants will be inde

for Physicists					pendently able to model physical system using Mat lab software
Embroidery	NA	22/07/2019	7	EMPLOYABIL ITY	The participants will be inde pendently able to execute embroidery skills
Production and Characte rization of Bio surfactant from Microor ganisms	NA	10/06/2019	7	EMPLOYABIL ITY	Students will be skilled in the various aspects and techniques in microbial production of Biosurfac tants

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
No Data Entered/Not Applicable !!!		

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

	Certificate	Diploma Course
Number of Students	640	0

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
No Data Entered/Not Applicable !!!		
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
PG Diploma	Cellular and Molecular	12

	Diagnostics	
BSc	Fashion and Apparel Design	30
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>There is a regular practice of taking feedback in the system through online (campus management) and manually from all the stake holders. During the end of every academic session, Dean Academics will call for a meeting with Heads of all Departments, to review the effective curriculum delivery and course completion status. Further, individual student feedback will be taken through CMS - Campus Technology. In addition to this, the Academic Dean's office will identify regular and academically sound students from each class and will take the feedback on academic progression in the prescribed format. These online and offline feedbacks taken from all batches of students will be statistically analysed and tabulated. Corrective measures will be taken through IQAC if any lacunae found for quality enhancement. At the end of every academic year individual teacher will prepare self-appraisal and submits to IQAC. The Principal, Dean academics IQAC coordinator will address the possible areas of improvement. In addition to this, the evaluation of overall college activities with respect to all the stake holders is conducted at the beginning of every academic year. The college adopts the above mentioned strategies to take feedback, which will be analysed critically and utilised for overall development of teaching-learning quality in the institution.</p>

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
No Data Entered/Not Applicable !!!				
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2.2 – Catering to Student Diversity

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

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

2019	526	274	77	33	33
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2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
94	94	45	20	10	1000
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The system is adapted for the value additions to the students like ? Bridging the gap between the teachers and students. ? Creating a better atmosphere in college, where students can approach teachers for both educational and personal guidance. Mentors provide as a thought partner for students on their academic journey and facilitate empower students to become independent learners and agents of their own change. They articulate understanding of students aspirations and fears, and support their success by acting as a supporter for students best welfare. Benefits of Mentorship for Students and teachers • Individualized Goal Setting: Reaching All Students • Relationships Built on Trust • Developing Self-Awareness and Fostering Passions • A More Rewarding Teaching Experience

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
800	110	1:7

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
110	62	48	48	29

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr Neena Aloysius	Assistant Professor	Best Poster Award, GoK
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
No Data Entered/Not Applicable !!!				
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Centralized Continuous Internal Evaluation System: Assessment of performance is an integral part of teaching and learning process. As a part of sound educational strategy, the institution adopts Centralized Continuous Internal Evaluation (CIE) System to assess all aspects of a student's development on a continuous basis throughout the year. ? Orientation on Evaluation Process: Students are made aware of the evaluation process through the following initiatives: ? The orientation programmes at the beginning of the semester by the Academics of the college ? Lesson Plan contains evaluation procedures ? Academic Calendar with IA Exam dates ? Orientation on changes and amendments in the evaluation process through Tutorial Meetings ? Display in the College and Department Notice Board ? Result Analysis Review Meeting: Result Analysis is done by the class tutors after every CIA Test. Pass percentage of each course is calculated by dividing the total number of students appeared and passed in each course. The performance of the students is monitored by the Heads of the department 1 and the necessary feedback is given to the concerned faculty members. The Dean Academics conducts Review Meetings department wise to give necessary feedback for the improvement of students' performance. Remedial Classes are conducted for the slow learners, absentees and the students who participate in Sports, NSS activities and Placement Interviews. This practice helps struggling learners to update their subject knowledge and helps them to catch up with their peers. ? External examinations of three hours duration will be conducted at the end of every semester for all the theory papers and practical papers. Students should satisfy the eligibility criteria of 75 attendance in each semester to appear for University Examination. The students who have arrears are permitted to write their papers in both the semester examinations. ? Representation in the Board of Studies: The senior faculty members appointed by the University act as the member of Board of Studies. At Every meeting they suggest evaluation reforms and discuss any discrepancy in the Passing Board meeting. At the time of central valuation the examiners have the facilities to represent any out of syllabus questions. The chairman of the valuation Board will take necessary action.

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

Academic calendar is prepared by Principal and Deans before commencement of every semester consists of commencement of semester, plans of Deans and Departments viz., workshops, Guest lecture, Industrial visits, Internships, holidays, fests, awareness programs and schedule of internal examinations. . Subject loads are allocated to faculty members well before advance so that they could make the plans. Every faculty members prepares teaching plan for each theory and practical subjects before the start of the semester. Teaching plan includes unit number, number of hours per unit, content of syllabus to be covered, presentation by the student, methods of delivery, etc. Every department in the college keeps an eye on the quality of the teaching learning by daily monitoring of teaching learning activities by the head of the department/class coordinators/Dean Academics, continuous counselling through department meetings, students feedback on teaching learning activity, brain storming in the meetings for different teaching strategies, in semester examinations having different modules, result analysis. The institute refers the academic calendar to adhere to the planned curriculum and other activities. An orientation is conducted for students and teachers before the commencement of the end semester exams in which teachers are trained in how they have to carry out invigilation and how to avoid malpractices etc and students are trained how to face the exam and how to answer in the OMR sheet etc

2.6 – Student Performance and Learning Outcomes

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

<http://www.theoxfordscience.org/pdf/PO.pdf>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
No Data Entered/Not Applicable !!!					
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2.7 – Student Satisfaction Survey

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

<http://www.theoxfordscience.org/pdf/STUDENTS%20SATISFACTION%20SURVEY.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Any Other (Specify)	00	00	0	0
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Translating Research into Patents	R D CELL	22/07/2020

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Endothelial cell coculture with stem cell differentiated islet cells on a polymeric scaffold improves islets function	Dr. Neena Aloysious	GoK	20/11/2019	III PRIZE
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
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NA	NA	NA	NA	NA	Nil
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

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

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	BIOTECHNOLOGY	5	00
International	MICROBIOLOGY	3	00
International	BIOCHEMISTRY	1	00
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Biotechnology	5
Biochemistry	2
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Identification of Clinical variants presents in skin Melanoma using exome sequencing data	Biradar S, Kiran Kumar K.M, Naveen Kumar M, Babu R L	Advances in Computational and Bioengineering	2019	0	The Oxford College of Science	0
Evaluation and Molecular Docking of Benzimidazole and	Kamatchi Chandrasekar, Bhawani Kumar, Arunkumar Saravanan,	Biomedical and pharmacology Journal	2020	0	The Oxford College of Science	0

its Derivatives as a Potent Antibacterial Agent	Ayush Victor, Saranya Sivaraj, Magesh Haridoss, Priyadurai raj, Catna Nagaraj Hemalatha and Vijey Aanandhi Muthukumar					
Rewiring of chemically modified MAPK pathway and its downstream targets by rosmarinic acid in mice dermal cancer	SHARMILA, K. GHOSH, S. MANOHARAN	Journal of Information and Computational Science	2020	0	Bharathiar University, Coimbatore	0
Chitotri osidase, a biomarker of Amyotrophic Lateral Sclerosis accentuate s neurodegeneration in spinal motor neurons through neuroinflammation	Anu Mary Varghese, Mausam Ghosh, Savita Bhagat Vijayalakshmi K, Talakad N Sathyaprabha and Trichur R Raj	Journal of Neuroinflammation	2020	0	NIMHANS, Bengaluru	0
Bioconversion of Lignocellulosic substrates for the production of polyhydroxyalcohols	Manasa Y	Elsevier, Biocatalysis and Biotechnology 28: 101754	2020	0	Jain University	0
Neuronal control of Lipid	Meghana S	Aging Cell, 2020,	2020	0	Indian Institute of	0

Metabolism by STR -2 G-protein coupled receptor promoter longevity in Caenorh abditis elegans		Volume 19, Issue 6			Science, Bangalore	
Unraveling the Potentials of Endophytes and Its Applications	Nandhini, M., Udayash ankar, A. C., Jogaiah, S. and Prakash, H. S	In Fungal Bio technology and Bioengineering	2020	0	University of Mysore	0
Molecular docking studies of phytochemicals against trehalose-6-phosphate phosphatases of pathogenic microbes.	Umesh, H.R.	Springer Nature-open access	2020	0	NA	0
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Identification of Clinical variants presents in skin Melanoma using exome sequencing data	Kiran Kumar K.M	Advances in Computational and BioEngineering	2019	5	0	The Oxford College of Science
Evaluation and Molecular Docking of Benzimidaz	Kamatchi Chandrasekar	Biomedical and pharmacology Journal	2020	4	0	The Oxford College of Science

ole and its Derivatives as a Potent Antibacterial Agent						
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	254	595	22	31
Presented papers	2	5	6	2
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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Organic Farming Presentation Program	NSS K.B.Chandra Shekar, Natural Farmer	3	178
Sustainable Menstruation	NSS	1	25
Fabric Surface Ornamentation Training for Rural Women	Department of Fashion Apparel Design	6	49
Plantation of Saplings	BBMP-Bommanahalli Ward	2	78
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Special Camping Program	Best Team	Kuthaganahalli Grama Panchayath	50
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Health Program	Rotary Bangalore Brigades	Free Health Checkup camp	3	265

Home Schooling System	Vidyaranya Trust	Literary Program	2	20
Mental Harassment	NSS Unit	Street Play	5	98
Natural Disaster	Kusunal Grama Panchayath, Atani Tq, Belagavi Dist.	Distribution of necessary material to Neighboring victims.	2	8
Swachhata Pakhwada	NSS and Bangalore Veeraru Foundation	Clean Bengaluru	3	100

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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
NA	00	NA	00

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
MoU	Research internship	Azyme Biosciences Pvt.ltd	01/01/2019	31/12/2020	24
Project work	Shape recognition using python	Nihon Communication Solutions Pvt.Ltd	01/02/2020	31/12/2020	2
Project work	Face recognition using python	Nihon Communication Solutions Pvt.Ltd	01/02/2020	31/12/2020	3
Project work	Enhanced Device for Identifying Intrusion and Tagging of Humans	Nash Industries (I) Private Limited	20/02/2020	30/11/2020	2
Project work	Bio-Metric system using RFID	Nash Industries (I) Private Limited	20/02/2020	30/11/2020	2

Internship	Internet of Things	Nihon Communication Solutions Pvt.Ltd	06/08/2019	06/09/2019	4
Internship	Cyber Security-Import Network Packet from Database using QT	Nihon Communication Solutions Pvt.Ltd	06/08/2019	06/09/2019	4
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Azyme Biosciences pvt.ltd	05/08/2019	Research internship and workshop/seminar	24
No file uploaded.			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
8000000	7836636

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Libsoft	Fully	10.5	2017

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	625	8	625	3	1	5	40	30	0
Added	5	0	5	0	0	0	0	70	0
Total	630	8	630	3	1	5	40	100	0

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
THE STUDIO	http://www.theoxfordscience.org/e-content.htm

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
1900000	1845697	500000	502534

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

Yes, the centrally air conditioned and automated library complements the rich learning experience. The library houses over 1.25 lakh books, 2.5 lakhs online books and 200 hard bound scientific Journal and around 2000 online national and international journals, periodicals, magazines, CDs and DVDs and theses. Supporting facilities available are INFLIBNET and DELNET facilities Automation of services for easy accessibility Reading room and individual cubicles, etc. The Oxford College has a well equipped centralized computer center to cater to the students and the faculty. Eight excellent state-of-the-art laboratories are set up in the college. These laboratories house a total of 625 computers connected on the LAN network. The specialized laboratories provide a variety of platforms and computing environment for UG, PG and research students. The Wi-Fi

facility connects the academic, administrative, and hostel blocks of the campus, with internet facilities on all the nodes. It also has the latest versions of scientific and technical software, and training kits etc. for the students of different branches. The computer centre is also used for conducting short term training programmes students and faculty. The Oxford College has world-class classrooms with interactive boards and scientific laboratories designed with imported interiors and furnishings from well-known designers and fabricators. The gallery classrooms are well equipped with latest teaching aids and audio visual facilities. The College has well-equipped laboratories for each of the individual subjects to cater to regular day-to-day practical and research activities. They are geared to provide extended individual experiment time. The labs stock sophisticated and high-end instruments to help students familiarize themselves with futuristic technology. An added facility in the college is the English Language Laboratory consisting of 50 computers installed with Wordsworth software to hone the language and grammar skills of students. Such an opportunity for enhancement of soft skills provides our students with the advantage of competing in the global environment. The auditorium with a 650 seating capacity to enable the students and faculty to organize symposium, conferences and other academic and cultural programs. The auditorium is well designed with video conferencing facilities to interact with well known personalities in related fields all over the world. The college has drinking water facilities in each and every floor. The TOCS has Canteen facilities for students and faculties. The college has ramp for differently-abled people. Sports complex is available in the college for indoor games.

<http://www.theoxfordscience.org/learning-resources.htm>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Management Scholarship Fee concession	5	175000
Financial Support from Other Sources			
a) National	State Scholarship	367	3805675
b) International	NA	0	0
No file uploaded.			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Soft Skill Development	14/06/2019	1573	In House
Mentoring	14/06/2019	2439	In House
Personal Counselling	14/06/2019	2439	In House
Meditation	14/06/2019	157	In House
Yoga	14/06/2019	85	In House
Language Lab	14/06/2019	700	Wordsworth

			Software
Remedial Coaching	14/06/2019	718	In House
Bridge Course	14/06/2019	813	In House
No file uploaded.			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2020	Soft skill and Employability Training Program	428	897	9	215
No file uploaded.					

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
16	16	4

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
No Data Entered/Not Applicable !!!					
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	201	B.Sc./BCA/ M.Sc.	UG/PG DEPARTMENTS OF THE OXFORD COLLEGE OF SCIENCE	MYSORE UNIVERSITY, BANGALORE UNIVERSITY, MANGALORE UNIVERSITY, MANIPAL UNIVERSITY, BHU, VTU, IISc	M.Sc./MCA/ Ph.D. programs
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	1
Any Other	8
No file uploaded.	

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

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
View File						

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

The student Council is the group of students elected by the fellow students to participate in the designated areas in the college activity and governance. The membership for the student council is open for any student of the college, they can attend the council meeting and actively participate in the council activity. The involvement of the students has proven to be beneficial to the college management and to the students in addressing the issues pertaining to the all-round development of the students. The student council actively involved in the in the implementation of the college rules and regulation for smooth and harmonious environment in the campus. The College has two student council for the Undergraduate and post graduate students respectively. The student council has following Positions in office bearers, they are elected among the council representatives. Sl.No Positions 1 President 2 Vice President 3 General Secretary 4 Joint Secretary 5 Treasure 6 Cultural Secretary 7 Sports Secretary The UG council involves in addressing the requirements and grievances of the UG students. The members of the council in the academic year 2019-20 took the initiative of bringing the health and hygiene awareness among the students of the college. The council members made teams of representatives, who visited each and every class room and explained the importance of hygiene. They also brought the issue of usage of the toilets and the fact that students were not using the washroom facility properly. The student Council also took the initiative to look into the discipline and maintain the canteen facility. For which the council made a team of members to monitor the students' activity in the canteen during lunch hour. A discipline committee was made to maintain the campus discipline. The members of the student council were also nominated as members of various committees in the college. The PG council members worked with the UG council in all the activities. The PG student council members took initiatives to collect the food materials and cloths from the students and given to the Samarthanam Blind school and ashram. The PG council members were actively participated in conducting various fests conducted by the departments in the college. Finally the college is having active student council, which takes part in ongoing as well initiates new activities in the college.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes. The Alumni Association is registered under the name of The Oxford College of Science Alumni Association with Registration Number: SOR/BLU(S)/DR/08/2011-12 dated 25-04-2011 under Government of Karnataka. The Association is constituted with faculty members, alumni and the current batch students from both UG and PG. The association members are connected with alumni through different social media platform like face book, Instagram and whatsapp. College conducts alumni meet every year and felicitate the alumni who are excelling in their fields especially for entrepreneurs. The vision of the association is to instil in students a lifelong commitment to the alma meter. And the mission is to nature the bond association between alumni and alma mater by setting collaborative goals to connect them with their roots.

5.4.2 – No. of enrolled Alumni:

897

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

179400

5.4.4 – Meetings/activities organized by Alumni Association :

1.The Alumni Association has organized Alumni Webinar series in association with the Department of Biotechnology on 10-12th July 2020. The Alumni speakers were ? Dr Sanjay Sharma Timilsina- PDF, Harvard Medical School University of Texas ? Dr. Arijit Kumar Das- Molecular Biologist/CRISPR/Protein Biochemist Cambridge University UK ? Ms .Nagalakshmi Haleyr-Researcher RMIT University Melbourne, Australia. 2. The Alumni Association has organized Alumni Webinar series in association with Department of Genetics on 18th -July 2020. The alumni speakers were ? Mr. Harish T , Scientist, Molecular Biology Lab, Biocon India on the topic " Molecular Cloning" 3. The Alumni Association has organized Alumni Webinar series in association with Department of Electronics on 24th -July 2020. The alumni speakers were ? Mr Rituparna Saikia- Senior Embedded Software Engineer Sogeti Netherland B.V 4. The Alumni Association has organized "Alumni Webinar series on 1-August 2020" for Life science and Physical science Department on 1.08.2020, 8.08.2020, 16.08.2020 and 29.08.2020. The Alumni speakers were : ? Mr: Shashidhar Kaza- Project Leader Commercialization of Natural Fermentable Products self employed (Microbiology Department) ? Dr. H.Purushothama-Director operations- Neurocyte (Applied Genetics Department) ? Dr. VarenshTiku- Research Scientist at Genetech, San Franscisco, USA (Biochemistry Department) ? Mr. Prashanth D.S - Senior Technical Officer R D Dept PEST Control India Pvt Ltd (Chemistry Department) ? Mr. Sunil Venkatagouda- Data Project manager- Chiltren Clinical Research Pvt Ltd (Biotechnology Department) ? Mr. Ravi Mashru- Daveloper SAP Labs INDIA (Electronics Department) ? Mr.S.Harsha VARDHAN Gowda-FULL Stack Developer -Suravi Consulting (Computer science and Application Department)

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The decentralization policy followed in the college is depicted below: ? The Governing Body delegates all the academic and operational decisions based on policy to the Principal ? The Principal organizes meeting with Vice Principals and IQAC - Coordinator to formulate common working procedures and entrusts the implementation with the HoDs. ? The HOD's manage the day to day activities of

the department. ? A team of Faculty members and Students coordinate the co curricular and extracurricular activities in the College. ? Other units of the college like NSS, sports, cultural, library etc. have operational autonomy under the guidance of the various committees, associations and students are involved from various departments in the decision taking process. ? Examples of Horizontal delegation of authority and empowerment Empowerment of Vice Principals for Academic ? Preparation of academic calendar, workload analysis, introduction of add on programs, orientation programs and bridge course, lesson plan and and all other academic processes ? Dean Administrative Time table preparation, allocation if class rooms, monitoring of student attendance, uploading of all data, signing authority for some administrative processes ? Dean Examination Conducting internal examination and university exams,empowered to prepare strategy for orientation for new faculties to train them about invigilation etc, preparation of examination schedule ?Dean R D Empowered to decide on equipment to be procured for research through grant or through requisition from the HoDs o In house project proposals are approved by him ? HR and Placement o Empowered to conduct pre placement activities, select the service provider for grooming and training programs, empowered to conduct placement activities with companies that are relevant to the college, conduct alumni meet and other related activities, entry exit interview ? HoDs ? Empowered to take decisions on daily activities of the department, such as conducting fest, individual time table, faculty workload, allocation of coordinator role w, departmental sub committees ? Departmental budget, spending on approved budget ? Schedule for practical examination ? Internal marks ? Vertical delegation Program coordinators and event coordinators are empowered to decide on budget and expense for the event and program. NSS coordinator is empowered to decide on NSS activities and budget Physical education director is empowered for all sports related activities. Apart from empowering Vice Principals ,Deans ,Associate Deans HODs in the previous academic year the college has decentralized Cultural Coordinator, and ECO CLUB Coordinator and empowered them to take decisions regarding cultural activities,celebrating regional festivals and Eco friendly initiatives. Participative Management: The college involved all the faculty members in providing suggestion to all the deaneries during the strategy meet .The same were deliberated upon and constructive suggestions were considered for implementation .

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Human Resource Management	Human Resource Management is generally associated with the recruitment of faculty and non teaching staff with the appropriate knowledge and skills to accomplish the tasks and to implement continuous development of the Institute. The HR unit in an educational institute like us will have to play an active role in this improvement process, both in order to be as efficient as possible regarding its own services and in order to support the process in the society as a whole. The strategies of faculty and staff recruitment are focused on ?

Creating a large talent pool of candidates to ensure the Institute can recruit and retain the best employee. ? Meeting the organizations diversity and social commitments by selecting candidates based solely on their merits and the way they fit in with the Institute's values, goals and culture. ? Improving the Institutes reputation through academic performance, alumni network, fair, placement activities, cultural event and perform unbiased and effective hiring practices and streamlining the process, including expediting future job analyses for similar positions. ? Evaluating the efficiency of different recruiting and sourcing techniques and sources for job applicants.

Curriculum Development

Being an affiliated College, the College follows Choice Based Credit System designed by Bangalore University Which has enhanced learning opportunities. The teaching-learning process in the College aims at achieving not only the professional academic development of the students but also blooming of their overall personality. To ensure an effective implementation of the curriculum and student centric learning ,the college adopts various strategies. Further to strengthen the curriculum the college offers various value added courses and certificate programs. Regular online feedback on curriculum is taken , submitted to IQAC seeking suitable action and a report on action taken is generated. . The college offers Postgraduate Diploma in Cellular and Molecular Diagnostics under Biotechnology Skill enhancement Program (BiSEP). The syllabus of the program is framed by the faculty of the college in collaboration with the industry experts to keep abreast with the latest technology and equip them with specialized skills .

Teaching and Learning

An academic calendar Teaching plan is prepared based on the calendar of events of the affiliating university. The novel strategies for each academic year with respect to teaching learning will be discussed and planned involving the entire faculty of the college in the strategic meet. At the beginning of every academic session Bridge Course

will be conducted for the fresh students of both postgraduate and undergraduate courses. Each faculty member will prepare lesson plan for the syllabus assigned and circulates it for students. Theory and practical subjects will be taught through the conventional and advance teaching methodologies. The progress and effectiveness of the syllabus completion is monitored by the Dean Academics and Principal through online and manual feedback system. The College continuously evaluates the progress of the students through each class coordinators and mentors. Class tests and Internal Examinations scheduled through notifications ensure the students prior preparedness. Submission of assignments and conduct of Seminars is well in place for both undergraduates and post graduates and has a good impact on the student's overall performance. Innovative teaching methods, PBL, Peer teaching, In-house projects, MOUs, Internships, Pre placement and placement activities , Certificate and skill development courses and variety of Enrichment programs and add-on courses are offered to strengthen teaching learning process. The college offers add on programs in collaboration with various renowned Institutes and Industries, for the postgraduate students to hone their academic skills. Parents as stake holders are given a platform to interact with respect to student performance. Dean academics is authorized for conducting academic audit of all the departments pertaining to academics and associated activities of various departments. The audit will be taken place annually and will be presented during strategic meet. In the process, the shortcomings will be identified, addressed and the achievements will be appreciated and honored and ensure effective teaching learning process in the college throughout the academic year.

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

E-governance area	Details
Planning and Development	It is implemented through campus.technology
Administration	It is implemented through campus.technology

Finance and Accounts	ERP/TALLY
Student Admission and Support	It is implemented through campus.technology
Examination	It is implemented through campus.technology

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Dr Sangita Shah	Faculty Development Programme on Clinical Research Data Management	NA	1000
2019	Dr Shanthala V	Recent advances in physics teaching and Research RAIPTR-2019	NA	3600
2019	Mr Manjunath G	Web visibility of computer science scholars based on H-Index	NA	2000
2019	Dr Yogesh B J	International Conference on Isolation and Screening of S Boubro II from various sources for the evaluation of its antibacterial activity	NA	1000
2019	Dr Pramod T	International Conference on Isolation and Screening of S Boubro II from various sources for the evaluation of its antibacterial activity	NA	1000
2019	Dr Bharathi.S	International	NA	1000

		Conference on Isolation and Screening of S Boubro II from various sources for the evaluation of its antibacterial activity		
2019	Ms Deepti Varier	Workshop on Next Generation Probiotics	NA	500
2019	Mr Prajeesh P	Workshop on NEXT GENERATION PROBIOTICS	NA	500
2019	Dr Bharathi S	Workshop on NEXT GENERATION PROBIOTICS	NA	500
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	Strategy Meet	Nil	09/09/2020	10/09/2020	94	32
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
49	49	9	9

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Health Card, EPF, Subsidized canteen food, Free Dental treatment	Health Card, EPF, Subsidized canteen food, Free Dental treatment	Health Card, Subsidized canteen food, Free Dental treatment

6.4 – Financial Management and Resource Mobilization

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

Yes. The accounts and audit sections will carryout internal audit from time to time at least once in a month of the accounts and cash counters and seek clarification on the lacunae if any. The audit observations will be attended and report of compliance submitted to waive the audit objections. The external audit of the entire accounts of the College are held by M/s. S. Venkatesan Co. Audited statement of accounts and audit report will be submitted to the Management under copy to the Principal. The audit objections and observations if any will be clarified at the stage of audit itself and if there are any further outstanding observations reflected in the audit report will be set right immediately and a report thereof sent to the auditors

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NA	0	00
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6.4.3 – Total corpus fund generated

00

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Kahan Technologies Pvt. Ltd	Yes	Principal IQAC Coordinator
Administrative	Yes	Kahan Technologies Pvt. Ltd	Yes	Principal IQAC Coordinator

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

Parent Teacher Meeting conducted through Virtual Platform

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

1.Awareness program on Investment Policy. 2. Health Camp in association with The Oxford Medical College, Hospital and Research Centre. 3. Awareness programme on Mindfulness in Life skills.
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6.5.4 – Post Accreditation initiative(s) (mention at least three)

Constitution of Science club e- content development TOSSEC
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6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Implementation of educational app	03/06/2019	03/06/2019	30/07/2020	2500
2020	Establishment of The Oxford Science Skill Enhancement Centre	11/10/2019	30/12/2019	03/11/2020	50
2020	Environmental Consciousness	09/11/2020	27/10/2020	04/11/2020	56
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**7.1 – Institutional Values and Social Responsibilities**

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Careers have no gender-Feminism includes all genders	09/09/2019	09/09/2019	34	13
Equal Rights-Mission to bring change	13/11/2019	13/11/2019	52	68
Equal means Equal-Fifty Fifty	23/11/2019	23/11/2019	78	22
Women Power-when women do better economies do better"	30/11/2019	30/11/2019	178	57
Benefits of Yoga for Stress management -Yoga for wellbeing	04/03/2020	04/03/2020	138	0
Gender Equality" By Dr. Vjayalxmi Balekundri:	09/03/2020	09/03/2020	176	122

Celebration of Women's day 2019				
Together we can Change the World	09/03/2020	09/03/2020	102	98
Happiness at Work Place	09/03/2020	09/03/2020	76	14

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

Percentage of power requirement of the University met by the renewable energy sources

Energy conservation During the inaugural orientation program for fresh students, special guidelines related to conservation of energy are given. The electronic gadgets like projectors, computers and printers are purchased after proper monitoring of energy ratings provided by the companies. The Computer display units have been upgraded to LED in all the labs, staff rooms and office. The college supports only CFL bulbs for lighting in the entire infrastructure In every department the Laboratory assistants are assigned with the duty of managing the power and electricity. The Laboratory instruments are monitored regularly to avoid undesirable power consumption. In addition bigger sized windows with glass screens are fixed on the walls of the classrooms to have good ventilation to minimize the usage of fans and lights ? Use of renewable energy Recently college is exploring various avenues for availing the sources of renewable energy. To cater the power need of hostel solar systems are installed. At present, the College has no renewable energy. To compensate the power shortage of the state, the College is planning to go for solar energy systems and gadgets. The water from distillation units of various departments are used for plants in the college and for washing of decontaminated culture tubes, flasks and plates. Solar lights in the campus and use of solar lighting for classrooms was one of the major objectives for the next academic year. To promote social concern based research and to overcome environmental issues students and staff of the college are involved in various research to find more accommodative and economical substrate for the biogas plant and identifying methanogens and characterization of the isolates. ? Water harvesting The institute has adequate facilities to collect the rain water for the purpose of gardening. A Model Rainwater Harvesting System has been set up in the campus to promote the water harvest. The large volume of roof water is collected and conserved in a water tank and the reserved water is used during scarcity ? Check dam construction There is no check dam on our campus because the Well-designed Storm Water System and Water storage System will avoid any water logging and flooding in Campus. The infrastructure of the college has Well channeled drains constructed within and outside the campus.. Therefore the requirement for a check dam may not be necessary. ? Efforts for Carbon neutrality The Oxford college of Science has taken up preventive measures to maintain the carbon neutrality in the campus. The college follows certain protocols to reduce carbon emission, pollution and contamination in the campus. The College makes awareness among the students on Carbon Credits, Carbon Neutrality and its advantages in the subjects of Environmental science in the first year program. The laboratory and accessory equipments are used are on latest technology which cause minimal or no environmental hazards. In addition Only LPG cylinder

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0

Provision for lift	Yes	3
Ramp/Rails	Yes	3
Braille Software/facilities	Yes	0
Rest Rooms	Yes	3
Scribes for examination	Yes	0
Special skill development for differently abled students	Yes	0
Any other similar facility	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	Nil	1	05/08/2019	07	SWACHHATHA PAKWADA	ENVIRONMENT CONSERVATION	99
2019	1	Nil	13/08/2019	03	RELIEF FUND RAISING FOR NATURAL DISASTER	JOINING HANDS WITH RELIEF OF DISASTER MANAGEMENT	126
2019	1	Nil	05/09/2019	1	INCLUSION OF TECHNOLOGY IN EDUCATION	GLIMPSE OF USAGE OF TECHNOLOGY FOR UNDERPREVILAGED STUDENTS	52
2019	Nil	1	07/09/2019	1	CLEANING OF THE VILLAGE	HEALTH AND HYGENE	68
2019	1	Nil	20/09/2019	1	MENTAL WELL BEING	MENTAL HARASSEMNT	267
2019	Nil	1	12/10/2019	1	PLANTATION OF SAPPLINGS	ENVIRONMENTAL CONSRVATION	67
2019	Nil	1	31/10/2019	1	NATIONAL UNITY	NATIONAL UNITY	279

2019	1	Nil	16/09/2019	16	EDUCATION FOR ALL	EDUCATION FOR ORPHAN	16
2020	Nil	1	22/01/2020	1	NATIONAL YOUTH DAY	YOUTH EMPOWERMENT	543
2020	Nil	1	29/02/2020	1	CLEAN BENGALURU	ENVIRONMENTAL ISSUES	76
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Student Hand Book	03/01/2019	The purpose of the Student Handbook is to give students and their parents/guardians an understanding of the general rules and regulations as well guidance for attending and receiving an education in the College. The policy and procedures tend to change annually on need basis and the parents / guardians should be aware of it .The most recent adopted policy and procedure is the one which is considered. The handbook may be amended at any time and those changes will be communicated by the administration to the staff, students and parents/guardians.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Guest lecture Topic: LIVING AN INSPIRED LIFE	14/08/2020	14/08/2020	123
No file uploaded.			

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

Energy conservation During the inaugural orientation program for fresh students, special guidelines related to conservation of energy are given. The electronic gadgets like projectors, computers and printers are purchased after proper monitoring of energy ratings provided by the companies. The Computer display units have been upgraded to LED in all the labs, staff rooms and office. The college supports only CFL bulbs for lighting in the entire

infrastructure In every department the Laboratory assistants are assigned with the duty of managing the power and electricity. The Laboratory instruments are monitored regularly to avoid undesirable power consumption. In addition bigger sized windows with glass screens are fixed on the walls of the classrooms to have good ventilation to minimize the usage of fans and lights ? Use of renewable energy Recently college is exploring various avenues for availing the sources of renewable energy. To cater the power need of hostel solar systems are installed. At present, the College has no renewable energy. To compensate the power shortage of the state, the College is planning to go for solar energy systems and gadgets. The water from distillation units of various departments are used for plants in the college and for washing of decontaminated culture tubes, flasks and plates. Solar lights in the campus and use of solar lighting for classrooms was one of the major objectives for the next academic year. To promote social concern based research and to overcome environmental issues students and staff of the college are involved in various research to find more accommodative and economical substrate for the biogas plant and identifying methanogens and characterization of the isolates. ? Water harvesting The institute has adequate facilities to collect the rain water for the purpose of gardening. A Model Rainwater Harvesting System has been set up in the campus to promote the water harvest. The large volume of roof water is collected and conserved in a water tank and the reserved water is used during scarcity ? Check dam construction There is no check dam on our campus because the Well-designed Storm Water System and Water storage System will avoid any water logging and flooding in Campus. The infrastructure of the college has Well channeled drains constructed within and outside the campus.. Therefore the requirement for a check dam may not be necessary. ? Efforts for Carbon neutrality The Oxford college of Science has taken up preventive measures to maintain the carbon neutrality in the campus. The college follows certain protocols to reduce carbon emission, pollution and contamination in the campus. The College makes awareness among the students on Carbon Credits, Carbon Neutrality and its advantages in the subjects of Environmental science in the first year program. The laboratory and accessory equipments are used are on latest technology which cause minimal or no environmental hazards. In addition
Only LPG cylinder

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice - 1 1.Title of the Practice Enrichment and add on programs 2. Goal The college focuses on a skill oriented curriculum in which facilitators adapt the curriculum in different ways to meet the needs of all their students. The content of the subject, the method used, and the product expected are modified to help students achieve success. Task choices and grouping are used to accommodate background knowledge and interests of individual students. The student Enrichment and value added Programs will play a major role in providing leadership in the academic development. The practice of integrating curriculum affords the students to identify the thrust areas, develop questions, plan inquiry, divide tasks, research information, share the learning process and content and finally conceptualizing and implementation of thoughts and ideas. 3. The Context A significant portion of our students come from different subject background and lack a proper conceptualization. As a result of that many of them need practical oriented extra inputs in order to develop their subject knowledge to meet current industrial standard .A well-developed academic skill is a must for a successful career in any field of science .This best practice started by the college helps to meet this need. Many students have good theoretical knowledge but are poor in practical knowledge and vice versa. Having good theoretical and practical knowledge makes the person more confident and strong. Lack of one of these makes the student less productive.

Through this enrichment and value added programs the college aims at developing a number of strategies for linking theory and practice for taking the students at the zone of excellence. 4. The Practice All the departments conduct various enrichment programs for the students based up on their discipline. At the beginning of every semester the head of the department and the faculty members meet the students and identify the various field of interest in the student groups. Based on the students feedback different practical oriented courses are designed in thrust areas which are not the part of university curriculum. A faculty and a student coordinator will be assigned for the program with few subordinates. The team will develop a course manual for the topic selected and will take care of the entire preliminary preparation of the course. The students will be splitted into small working groups and proceed under the instruction of the program coordinator. At the end of the course each group will submit a complete report on the course and productivity to the head of the department. The various enrichment programs conducted by different departments are mentioned below.As a part of enriching the curriculum further Problem Based Learning is conducted in the practical session. This activity mainly focuses on experiential based learning organized on the investigation, explanation, and resolution of meaningful problems. In Problem Based learning, students are allowed to work in small collaborative groups and study what they need to know in order to resolve a problem. A teacher is assigned to each group to guide students. After the completion of each problem, students the report on the entire cycle and knowledge gained. Since students are self-directed, designing their goals and strategies to solve the problem they acquire the skills needed for lifelong learning. Since 2016, the college is conducting add on programs for the students to hone their academic skills further. The Institution in collaboration with various renowned institutions with renowned offers various value added certification program. As the preliminary work of this concerted effort, invitations are given to various concerns offering add-on certification programs to present their company profile, key features and benefits of the program offered, to the faculty and students. After finalization of the various courses, students are given option to select the course which they desire based upon their area of interest. The dean academics finalize the course content, structure and time frame of the program in consultation with the subject expertise without adversely affecting the regular curriculum. This year the college has collaborated with Bioteknica Info Labs Pvt Ltd- the bio-science information portal , RASA life sciences-experts in offering training and project modules in Bioinformatics, Chem informatics, Biotechnology and Life science software developments. 5. Evidence of Success The major evidence of success is that the placement rate has been drastically increased in last few years. The number of companies visiting the college for the campus placement has been increased by 25. The approach of enriching the curriculum has received a wide appreciation in the university and the number of students opting for higher education in our college has been increased to great extent. The college observed many of our students who were academically weak, made considerable improvements especially in the areas of knowledge base, problem-solving skills, self-imitativeness, as team player and effective collaborators. In the active learning process employed by the college engaged in hands-on activities rather than passively acquiring knowledge received huge appreciation. Since we are collaborated with Bioteknica who provides UGC-NET examination coaching, the college expects more number of students to be qualified in the subsequent UGC-National Eligibility Test. 6. Problems Encountered and Resources Required The college did not have much problem in executing the programs. Due to extremely tight university calendar time was a constraint and students were forced to spend extra time in the college after their regular curriculum. Initially students faced difficulty to manage their syllabus for their end semester examination and the cocurricular programs simultaneously. Understanding the need of the same, to excel in their future endeavors all the students taken the

challenge and worked for it. Some of the slow learners faced difficulty to cop up with the program due lack of basic skills, which has been taken care by the mentors. The major resources required was the finance and the skilled facilitators, the same was managed by the the executives of college administration. Best Practices - 2

1. Title of the Practice "Training Placement -the need of the hour." Goal In the era of digitalization, students and parents, both, are equally concerned about the placement process of a college as their academic curriculum. One of the factors which makes the students career life successful is the set of placement practices adopted by the college. The main goal of Training and Placement Cell is to bridge the gap between the stringent competition in the industry and talent available in the college. With adequate training and support, students enhance their skills and understand how to showcase their abilities in the best possible way. The Oxford College of Science has a well fortified Training and Placement cell which takes care of all the training and placement related activities right from the admission of the student till they are onboard in their respective job.

2. The Practice The main endeavor of the placement cell is to get students placed in reputed multinationals, government organisations, NGOs and the private sector. All students of the college will be provided placement assistance, counseling for employment and self/Social entrepreneurship. The cell assures logistic support to the visiting companies at every stage of the placement process by making the college infrastructure available to them. It plays a pivotal role in counseling and guiding the students for their successful career, which is a crucial interface between the stages of completion of academic program of the students and their entry into the job market. The departments aim is to provide career guidance and placement opportunities to all students studying in The Oxford College of Science. Training and Placement Department arranges and coordinates various programs that aim at moulding the students so as to meet the industry expectations in their career building and in turn bring laurels to the parent institution. The department sincerely believes in imparting comprehensive training to the students to face the challenges of the dynamic and demanding job market and build a successful career for themselves

Placement Cell had organised various webinars during pandemic to motivate the students and make them make more productive during lockdown. The Placement Cell organizes career guidance programmes for all the students starting from first year. The cell arranges training programmes like Mock Interviews, Group Discussions, Time Management, Personal grooming, Inter and Intra personal skills, Team Building, Aptitude skills, Logical reasoning, Communication Skills, Mock Interview Sessions. It also organizes Public Sector Exam Training for students who are interested to join Government Sectors. Value Added Courses are conducted for the students in the area of emerging technologies and for covering the contents beyond curriculum. It also invites HR Managers from different industries to conduct training programmes for the students. The College also provides free online soft skill and technical training certification courses for all the final year students which help them to crack the interviews. The college decided to extend the placement opportunities for the neighbourhood colleges by organising a mega job fair, Udyog Anusandhan on 12th March 2020. Students from various colleges of Bangalore participated and were benefited from the job fair.

3. Evidence of Success The college has taken the pride in excellent placement record since its establishment and the fact our students are ingenious alumnae who have set new standards in the corporate world through their admirable contributions. The Institute has MOUs with Corporate, Research Institutes, Universities and Training Institutes which motivates and enables the students industry ready. The proven capabilities of our Graduates have helped us to invite increasing number of new Industries for Placement opportunities like Infosys, SAP Labs, TCS, Wipro, LG Soft, Syntel, Cipla, Telerad, NIIT, Biocon, Micro labs, Televarage communications, Concentrix, Thermo Fischer, Strides, Microfocus,GE, HDFC Life, Omega

Healthcare, Celegance, Omnic International, Deloitte, Infocon, Capgemini, Infosoff, Molecular Connections, Auriga and many more. 4. Problems Encountered and Resources Required The petrifying and the extreme impact of COVID-19 has shaken the world to its core and many industries were effected and a lot of companies have freezed the recruitment. On the otherhand the stress and the anxeity level of the students has increased due to covid outbreak. Admist all these the college has initiated the online placement process and has helped the students in getting placed in the corporate world. The institution is working hard to reduce the gap between what the market demands and the knowledge level of the students. There are some challenges encountered by the college like time constraint, cost to the company, volatile nature of Industry, core company recruit in small numbers and few more. Interview time and company requirement sometimes clash with the University calendar. Webinar series on preplacement training, online career guidance and experts talk on the digital platform has helped to overcome of the challenges and has reduced the industry academia gap which has helped to overcome some of the challenges and maximize the opportunities for the students. Contact Details Name of the Principal: Dr.R.Kavyashree Name of the Institution: The Oxford College of Science City: Bengaluru Pin Code: 560102 Work Phone: 080 - 61754547 Website: www.theoxfordscience.org E mail: scienceprincipal@theoxford.edu Mobile: 9886023272

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

<http://www.theoxfordscience.org/best-practic.htm>

7.3 – Institutional Distinctiveness

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

Vision and Mission of the Institution is to mold the students to aspire for the welfare of society through excellence in science and technology. Institution consistently inspires students and provides platform for technical skill development, multidisciplinary project development, Entrepreneurship development, Ethical and Human value development. The Institute has established its distinctive approach towards this comprehensive Vision by well-crafted policies involving all the stakeholders of the Institution as detailed below.

1. Excellence in Academic through Innovative teaching learning policies
2. Exploration of knowledge through research and development policies
3. Excitement of Innovation Entrepreneurship through consultancy policies
4. Exponent for Development of a Rounded Personality with Global Vision and Social Responsibility through Inclusive Policy and Student Welfare Policy

1. Excellence in Academics Objectives: Preparing students for life in a global society by realizing their potential through a transformational learning experience. Enabling students from all backgrounds and abilities to reach their maximum potential-academically and as individuals. Encourage independent thinking and learning skills through innovative tools and techniques. Continuous Up gradation of Curriculum planning to ensure quality teaching and learning Maximize student attainment and achievement. The process followed to achieve above objectives are: Regular Classes Bridge Courses Chart/Models Enrichment Programs Industry Visit Workshop Assignment Guest Lecture Add on Programs Remedial Classes Problem Based Learning. Peer Teaching

2. Exploration of Knowledge through research Faculty are encouraged and provided with conducive environment to apply for extramural research grants, workshops, FDP's conferences and seminars. Students are encouraged to take up in-house projects and to participate in conferences, workshops. The college regularly organizes National Conference "Jnanarjana", a scientific platform to showcase research abilities of its faculty and students. The college publishes scientific journal

" The Oxford Journal of Science and Research "and encourages faculty and students to publish articles thereby honing their writing skills 3. Excitement of Innovation and Entrepreneurship Internal research committee crucially works on generating the excitement in the young science brains to produce innovation and thus laying the stones for entrepreneurship. EDP's are conducted regularly by EDC inviting young entrepreneur's to share their experience about start up. Students are encouraged to develop prototype for which week end lab facilities are extended to work on innovative project ideas . 4. Exponent for Development of Personality and Social Responsibility Participation of students in Co-Curricular Activities and Extra Curricular Activities helps to enhance all rounded personality to strongly face the turbulent road of the future. To develop student's personality and social belongingness among students following activities are carried out in institution: NCC Activity NSS Activity Buddha Centre Activities Vivekananda Centre Activities Gandhian Studies Activities. Ambedkar Centre Activities. Awards for SC/ST Enrichment Programmes Service of Scribes for visually challenged Seating Arrangement for disabled Exclusive SC/ST book bank English lab for communication and personality development Remedial classes for students participating in Extra Curricular and Co-Curricular Activities

Provide the weblink of the institution

<http://www.theoxfordscience.org/>

8.Future Plans of Actions for Next Academic Year

To increase the number of Value Added Courses under The Oxford College Of Science Skill Enhancement center Procure research guideship To provide training for Civil service Examinations for students Increase the activities of Alumni Association