



## Yearly Status Report - 2017-2018

### Part A

#### Data of the Institution

Part A	
<b>Data of the Institution</b>	
<b>1. Name of the Institution</b>	THE OXFORD COLLEGE OF SCIENCE
Name of the head of the Institution	Dr R Kavyashree
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08061754546
Mobile no.	9886023272
Registered Email	scienceprincipal@theoxford.edu
Alternate Email	iqacscience@theoxford.edu
Address	#32,17th 'B' main, Sector IV, HSR Layout, Bangalore-560102
City/Town	Bangalore
State/UT	Karnataka
Pincode	560102

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

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="http://www.theoxford.edu/college_of_science/AQAR%20-%202016-17%20-%20TOCS.pdf">http://www.theoxford.edu/college_of_science/AQAR%20-%202016-17%20-%20TOCS.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	<b>Yes</b>
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://www.theoxford.edu/college_of_science/academic_plans.htm">http://www.theoxford.edu/college_of_science/academic_plans.htm</a>

<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
<b>1</b>	<b>A</b>	<b>3.10</b>	<b>2011</b>	<b>16-Sep-2011</b>	<b>15-Sep-2016</b>
<b>2</b>	<b>A</b>	<b>3.06</b>	<b>2017</b>	<b>12-Sep-2017</b>	<b>11-Sep-2022</b>

<b>6. Date of Establishment of IQAC</b>	<b>01-Jul-2010</b>
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<b>7. Internal Quality Assurance System</b>
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Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		
Academic audit	29-Jun-2017 30	70
Administrative audit	28-Jun-2017 7	50
Analysis of feedback and syllabus completion report	08-Jun-2017 7	2000
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**8. Provide the list of Special Status conferred 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
Biotechnology Department	Increase in biomass and productivity of transgenic Stevia by overexpressing the Flowering Locus M (FLM), Terminal Flower 1 (TFL1) and downregulating the Flowering Locus T(FT).	GoI	2015 3	1010000
College	FIST ,WOSA scheme	DST,GoI	2018 1	2900000
Biotechnology Department	BiSEP Program	Dept of IT,BT,S&T,GoK	2015 2	1000000
Biochemistry Department	MRP	UGC	2016 2	75000
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<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	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	<a href="#">View File</a>

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)

Structured academic and administrative calendar of events Centralised internal examination cell Students science forum Customised skill development program

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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
To conduct workshops/seminars	Workshops/seminars were conducted in various departments
To encourage students and faculty to take up research projects	Students were encouraged to take up research projects. They have presented their papers at industry academia workshop. Also, many of the research papers were published and faculty were awarded for their research
To increase the number of certificate course offered	10 new certificate courses were added in various departments
To increase collaboration with industry for research and interships	Mant students have participated in the internship program wherein they were working on projects at the company
To conduct developmental programs like workshops, seminars and talks for teaching	Various development programs were conducted for the betterment of teaching
To increase engagement with alumni	The alumni association is active and to get connected with all Alumni Tree module is initiated
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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	2018
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Date of Submission	27-Feb-2018
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	In our institution delivery of curriculum is through comprehensive campus management system with various academic modules such as ? Lesson Plan ? Assignments ? Video Lectures ? PowerPoint Presentation ? Interactive Platform ? Question Bank ? Online test ? Access to EJournals ? Virtual Labs ? Online Courses ? Program Outcome ? Course Outcome ? Attainment Calculation ? Admission Automation ? Alumni Management ? Attendance Management

### 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

The Internal Quality Assessment Cell will prepare its calendar and teaching schedule according to the academic plan of the University incorporating the various programmes of each department and released as academic calendar. 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. 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 tutors and mentors. Class tests and Internal Examinations scheduled through notifications ensure the students 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 students overall performance. Innovative teaching methods, PBL, Peer teaching, In-house projects, MOUs, Internships, active placement cell, Certificate and skill developmental courses, scientific conferences, group discussions 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 academic organizations, for the postgraduate students to hone their academic skills. Dean academics is authorized for conducting academic audit of all the departments pertaining to academic and related activities of various departments. All the above said processes are well documented by the respected deaneries and they produce and soft and hard copy of an annual report at the end of every academic year.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of	Duration	Focus on employ	Skill
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		Introduction		ability/entrepreneurship	Development
Mushroom Technology	NA	13/07/2017	3	YES/YES	Techniques necessary for the cultivation and production of edible mushrooms
Arduino Microcontroller and Interfacing	NA	18/01/2018	3	YES/YES	Ability to develop real time products
Microsoft dot net technology	NA	18/01/2018	3	YES/YES	In depth knowledge in advance level dot net web technology
Tools and techniques for molecular drawing	NA	20/02/2018	3	YES/YES	Advance training for chemists to draw reactions and sketch molecules
Advanced clinical techniques in Biochemistry	NA	20/02/2018	3	YES/YES	Advanced techniques in clinical biochemistry
Vermicomposting	NA	22/02/2018	3	YES/YES	Various techniques to develop vermicomposting
Stoke painting technique	NA	12/03/2018	3	YES/YES	Different painting techniques
Machine learning	NA	01/05/2018	3	YES/YES	Tools to analyse statistical data
Differential equations	NA	02/07/2018	3	YES/YES	Research acumen
Commercial tissue culture	NA	13/07/2017	3	YES/YES	Alternative approach to raise invitro plants

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BSc	NIL	01/06/2017
MSc	NIL	01/06/2017
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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
BSc	Environmental Studies	01/06/2017
BCA	Environmental Studies	01/06/2017
MSc	Write it Right	01/07/2017
MSc	Management Perspectives	01/07/2017
MSc	Media and Society	01/07/2017
MSc	Elements of Fashion Designing	01/07/2017

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

	Certificate	Diploma Course
Number of Students	1439	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
Plant propagation through budding and grafting	22/02/2018	56
Memory skills and pedagogy	13/11/2017	17
Research methodology	04/12/2017	106
Latex Beamer	27/08/2018	22
Biological Dyes	10/11/2017	44
PCB designing	02/11/2017	25
Chromatographic techniques in purification of organic compounds	14/11/2018	5
Jewellery making	15/10/2018	20
Online campus recruitment training	02/02/2018	120
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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
MSc		138

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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

Regular online feedback on curriculum is taken and submitted to IQAC for analysis and IQAC team counsels the faculty with mediocre or poor performance to improvise and a report on action taken is generated. 360 degree feedback is taken and 3 major parameters like competency, complacency and consistency scores are analyzed. Curicullam, Library, and Institutional feedback are also taken and recorded in the campus management system

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BSc		1450	550	510
BCA		200	220	198
MSc		380	285	276
MA		20	2	1
MCA		60	12	12

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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
2017	708	288	73	30	65

### 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
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103	103	45	20	10	1370
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### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Yes Mentoring system is a strong response to tackle the problems and improve the all round development and personality of students. TOCS offers a highly efficient mentoring system through which a group consisting of 30 students are assigned to a faculty member at the commencement of every semester. The mentoring system of TOCS ensures that the students adapt to the dynamic learning environment and lead their ways into highly successful careers. The integrated mentoring system where the faculty acts as a link between the students and the institution performs the following functions:

- Mentors guide the students throughout the academic year.
- Mentors guide the students by assessing their internals, projects, assignments, class tests.
- Class teachers along with mentors conduct PTA meetings and discuss with parents regarding progress of the students.
- Mentors conduct remedial classes for slow learners. Need based remedial classes have proved to be beneficial to the students.
- Mentors not only help the students in academic activities but also act as counselors, they speak to the students, identify their personal problems, they try to find out the reasons for low performance and provide solutions to their problems, help them how to overcome the depression, stress, control emotions.
- Mentors advice students in their career guidance, career selection.
- Mentors guide the students in conducting co curricular and extracurricular activities.
- The mentor maintains the report card which consists of both academic and personal data of students.
- The HODs of various departments monitor the activities of the assigned mentors
- Mentors give individual attention and encouragement and psychological support at the time of need
- Mentors communicate with other faculty and help students to work towards in their interested areas.

Targets achieved:

- Mentoring enhances students' academic performance and attendance and also helped our students to organize and execute co curricular activities, learn to solve problems in real life situations.
- Helped to mould the personality of the students.
- Advanced learners identified and encouraged with incentive prizes.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1911	103	1 : 20

## 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
103	73	30	30	27

### 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
2017	Dr Kavyashree R	Principal	D.Litt
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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
BSc	BSc	semester	14/06/2018	09/07/2018
BCA	BCA	semester	14/06/2018	09/07/2018
MCA	MCA	semester	04/08/2018	28/11/2018
MSc	MSc	semester	04/08/2018	03/11/2018

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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 Oxford College of Science adopts 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 academic year Teaching plan contains evaluation procedures Academic calendar with CIA Exam dates Display in the College and Department Notice Board Result Analysis and Review Meeting: Result analysis is done by the subject teachers after every CIA Test. Pass percentage of each subject is 40. The performance of the student is monitored by the subject teacher/class coordinator/HOD and the necessary feedback is given to the concerned faculty members. Progress Reports Parents Meetings: The College is keen on monitoring the performance of the students and reports to the Parents. Progress reports are giving to the parents during Parent Teacher Meeting. Whenever necessary, the teacher shall recommend the visit of the parent to the college for a discussion about the ward. Remedial Classes are conducted for the slow learners, long absentees and the students who participate in Sports, NSS activities etc. The college has also set an eligibility criteria for students to take up the internal exams. The students are eligible to take up the first internals only if they have a minimum of 40 attendance and in order to take up the second internals they should have fulfilled the following criterion: They should have a minimum of 70 attendance They must have scored 35 in the first internals They must have presented a seminar in their respective subjects They must have submitted an assignment in their respective subjects They must have submitted their respective Industrial Visit reports .

### 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.theoxford.edu/college\\_of\\_science/pdf/PO.pdf](http://www.theoxford.edu/college_of_science/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
	BSc		165	103	62.42
	MSc		240	202	84.16
	MA		1	1	100
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### 2.7 – Student Satisfaction Survey

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

[http://www.theoxford.edu/college\\_of\\_science/pdf/STUDENTS%20SATISFACTION%20SURVEY.pdf](http://www.theoxford.edu/college_of_science/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
Interdisciplinary Projects	0	NIL	0	0
Industry sponsored Projects	0	NIL	0	0
Projects sponsored by the University	0	NIL	0	0
Students Research Projects (Other than compulsory by the University)	.2	Self	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
Blotting Techniques	Zoology Genetics	16/11/2018
Work shop on Study of Inversion polymorphism in Chironomus	Zoology Genetics	22/11/2018

Clinical Research Symposia	Biotechnology	27/11/2018
Work shop on Vermicomposting	Zoology Genetics	22/02/2018
Workshop on EDP	Biotechnology	06/12/2018
Workshop on budding in plant propogation	Zoology Genetics	22/02/2018
Seminar on importance of IPR in pharmaceuticals	Microbiology	19/05/2017

### 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
Isolation, purification and characterization of pectinase	Dr. Shivaji Bole (Faculty) and Nithisha K. T.1, Lavanya S. Mahesh M. and sudhanshu dubey(Students)	ISCA	11/10/2018	1st Prize in Best Poster Life Science
Green synthesis of CeO <sub>2</sub> Nano particles with their physical characterization and few biological applications	Dr. Umesh H.R (Faculty)	ISCA	11/10/2018	3rd Prize in Best Paper Life Science
A facile infrared technique based noninvasive blood glucose monitoring system	Chetan B and Shafiq Ul Rahman Khan.A	ISCA	11/10/2018	3rd Prize in Best Paper Physical Science
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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
1	1	1	1	1	25/12/2018
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## 3.3 – Research Publications and Awards

### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
1	1	1

### 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	0

Biochemistry	0
Computer Science Applications	0
Microbiology	0

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Chemistry	2	0
National	Genetics	2	0
National	Computer Science	1	0
National	Electronics	2	0
International	Microbiology	4	0
International	Fashion Design	1	0
National	Physics	1	0
National	Chemistry	2	0
National	Genetics	2	0
National	Computer Science	1	0
National	Electronics	2	0
International	Microbiology	4	0
International	Fashion Design	1	0
National	Physics	1	0
National	Chemistry	2	0
National	Genetics	2	0
National	Computer Science	1	0
National	Electronics	2	0
International	Microbiology	4	0
International	Fashion Design	1	0
International	Biotechnology	4	2.3
International	Chemistry	1	1
International	Zoology	2	2.1
International	Computer Science	1	0
National	Biotechnology	3	0
National	Biochemistry	2	0
National	Microbiology	1	0
National	Fashion Design	1	0
National	Physics	1	0
National	Chemistry	2	0
National	Genetics	2	0
National	Computer Science	1	0
National	Electronics	2	0
International	Microbiology	4	0

International	Fashion Design	1	0
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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 (Dr Kavyashree R)	1
Fashion Designing ( Dr. V Narayana Swamy)	1
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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
HyperErlang Distribution Model its Applications in Wireless Mobile Networks	Dr. Susil Kumar Sahoo	International Indexed Referred research Journal	2018	0	The Oxford College of Science	0
A study on faecal matter contamination of ground water resource in Attibele village	Pavana Kamath P	The Oxford Journal Of Science and Research	2018	0	Department of Zoolgy Genetics, The Oxford College of Science, Bangalore	0
In vitro Production of Diosgenin under Varying Concentrations of Sucrose and Cholesterol in Solanum trilobatum Linn	Deepa Gopinath	The Oxford Journal Of Science and Research	2018	0	Department of Zoolgy Genetics, The Oxford College of Science, Bangalore	0
Expression Profile of Markers of Oxidative Stress,	Neha Goyal	Nephrology (Wiley)	2018	2.2	Department of Zoology, Panjab University,	0

Injury and Apoptosis in anti-tuberculosis drugs induced nephrotoxicity					Chandigarh	
Berberis aristata Ameliorates Testicular Toxicity Induced by Combination of FirstLine Tuberculosis Drugs (Rifampicin Isoniazid Pyrazinamide) in Normal Wistar Rats.	Neha Goyal	Journal of Dietary Supplements (Taylor Francis)	2018	1.6	Department of Zoology, Panjab University, Chandigarh	0
Communication System for Home Automation	Prathibha K Nair, Siddhartha D and Gayathri Sudhir	The Oxford Journal of Science and Research (TOJSR)	2018	0	Dept of Electronics, TOCS	0
Enhancement of OFDM System by PAPR Reduction	Veena V, Anusha Murthy and Gayathri Sudhir	The Oxford Journal of Science and Research (TOJSR)	2018	0	Dept of Electronics TOCS	0
A Comparative Study of the Rivest Shamir Adleman Digital Signature and the Digital Signature Standard	Sajana Balan Manian	The Oxford Journal of Science and Research (TOJSR)	2018	0	Dept of CSA, TOCS	0
Optimization of the conditions of Agrobacterium tumefaciens	Divya S. Aind and Kavyashree R.	The Oxford Journal of Science and Research (TOJSR)	2018	0	Dept of Bi chemistry, TOCS	0

infection in stevia leaf and induction of callus						
In vitro Micropropagation studies in Alstonia scholaris, a valuable medicinal plant	Abdul Nayeem and Vedamurthy A.B	The Oxford Journal of Science and Research (TOJSR)	2018	0	Dept of Bi chemistry, TOCS	0
Study of glucose uptake activity of aegle marmelos ethanolic extract on liver cell line by flow cytometry	Shivaji Bole Siddharth Dubey, Deepak Kumar Mishra, Ashutosh Acharya, Sudhanshu Dubey,"	World journal of pharmacy and pharmaceutical sciences	2018	7.421	Department of Biotechnology, (TOCS).	0
Dexametasone inhibits inflammatory response via down regulation of Ap1 transcription factor in human lung epithelial cells	Rajeshwari H patil, Naveen kumar M, Kiran Kumar K M, Rashmi Nagesh, Kavya K, Babu RL,	Gene	2018	2.319	Department of Biotechnology, Bangalore University	2
Assessment of calorimetric, antibacterial and fastness properties of silk fabric dyed with C. Equisetifoia L leaf extract.	Dr. V Narayana Swamy	Indian Journal of Traditional Knowledge	2017	0	Dept of Fashion and Apperal Design (TOCS)	0
HyperErlang Distribution Model	Dr. Susil Kumar Sahoo	International Indexed	2018	0	The Oxford College of Science	0



its Applications in Wireless Mobile Networks		Referred research Journal				
Study on the application of Vitex agnuscastus Natural dye for wool	Dr. V Narayana Swamy	Int. J. of Engineering Science Research Technology	2017	0	Dept of Fashion and Apperal Design (TOCS)	0
Arsenic induces oxidative stress and apoptosis in human lung cancer cells.	Kiran Kumar K M	Int. J. of Life Sciences	2017	0	Department of Biotechnology(TOCS)	0
Aqueous areca nut extract induces oxidative stress in human lung epithelial A549 cells: Probable role of p21 in inducing cell death	Kiran Kumar K M	Gene Report	2017	0	Department of Biotechnology(TOCS)	0
Spore Bearing Pathogenic Microbes on Ancient Artifacts of Chandraketugarh	Deepthi Varier	European Journal of Biomedical and Pharmaceutical Sciences	2018	0	Dept of Microbiology, TOCS	0
Antiglycemic Activity of Endophytic Fungi from selected medicinal plants by Alpha Amylase	Mr. ArkajitGanguly	International Journal of Science and Research	2018	0	Dept of Microbiology	0

Inhibition method						
Antibacterial activity of Endophytes from selected medicinal plants	Mr. ArkajitGanguly	International Journal of Science and Research	2018	0	Dept of Microbiology	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
0	0	0	2017	0	0	0
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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	1	3	9	24
Resource persons	0	1	0	1
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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
Orientation on Basic Concept of NSS	NSS	1	67
Literary Programme	NSS Hennagara Grama Panchayath	3	45
Weaker Section Day	NSS (Distribute cloths for needy)	2	52
Health Program "STOP CHIKANGUNYA"	NSS in association with Rajapura Primary Health Centre	6	75
Orientation "On Right Path for your right"	NSS in association with Sali Kezia CEO, Human Rights Organization	8	260
National	NSS in association	5	150

integration day	with the Rotaract Club	
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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
Swachata Hi Grama	Recognition	Hale Nijagallu Grama Panchayat	50
No file uploaded.			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swachhata Bharath	NSS and Bangalore University	Gida belasi parisara Ulisi	3	52
AIDS Awareness Program	Oxford Society of Microbiology	Poster Competition Mime Guest Lecture Quiz	10	315
No file uploaded.				

### 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
Chemistry ICCR student project on antioxidant activity study in collaboration with biotechnology department	Chemistry ICCR student from Africa	Management	2
Home Automation System using IOT	Electronics Department Students	Management	2
No file uploaded.			

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
Internship	Student Empowerment Program	Stellixir Biotech Pvt.Ltd	06/06/2017	06/06/2018	650

Internship	Student Empowerment Program	Genelife Biologics LLP	07/06/2017	06/06/2018	480
Internship	Student Empowerment Program	V.B.Medicare Pvt.Ltd	07/06/2017	07/06/2018	620
Internship	Student Empowerment Program	Bhat Biotech India (P)Ltd	01/01/2017	01/01/2018	520
Internship	Student Empowerment Program	Wellcrop Biotech Pvt Ltd	09/06/2017	09/06/2018	500
Internship	Student Empowerment Program	V India Biosynergy	14/06/2017	14/06/2018	280
Internship	Student Empowerment Program	Livon Biolabs Pvt.Ltd	08/06/2017	08/06/2018	460
Internship	Student Empowerment Program	Genotypic Technology Pvt Ltd	08/06/2017	08/06/2018	230
Internship	Student Empowerment Program	Stelis Biopharma Pvt Ltd.,	09/06/2017	09/06/2018	654
Internship	Student Empowerment Program	National Biotech	09/06/2017	09/06/2018	540
Internship	Student Empowerment Program	Xcyton Diagnostics Pvt Ltd.,	09/06/2017	09/06/2018	250
Internship	Student Empowerment Program	Pelican Biotech and chemical labs	09/06/2017	09/06/2018	600
Internship	Student Empowerment Program	Avesthagen Limited	12/09/2017	12/09/2018	500
Internship	Student Empowerment Program	Optimus Pharma consulting	26/07/2017	26/07/2018	475
Internship	Student Empowerment Program	Sri Raghavendra Biotechnologies Pvt Ltd	15/08/2017	15/08/2018	300
Internship	Student Empowerment Program	Sangenomics Research Labs Ltd	20/09/2017	20/09/2018	250
Internship	Student Empowerment Program	The Oxford Dental College, Bangalore	21/08/2017	21/08/2018	600

Internship	Student Empowerment Program	The Oxford College of Engineering, Bangalore	10/10/2017	10/10/2018	450
Internship	Student Empowerment Program	The Oxford College of Pharmacy, Bangalore	09/05/2017	09/05/2018	500
Internship	Student Empowerment Program	Campus.Technology	01/07/2017	01/06/2018	600
Internship	Student Employability Program	Campus.Technology	01/06/2017	01/07/2018	100
No file uploaded.					

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
Epaathsala	01/08/2017	Live Student Projects	40
<a href="#">View File</a>			

## 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
10	7.31

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added

### 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	WEB Version	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	20996	8231490	159	168069	21155	8399559
Reference Books	3735	206197	35	45890	3770	252087

Journals	75	1042987	0	0	75	1042987
Digital Database	2	19470	0	0	2	19470
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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
Manjula G	Arduino	Adobe econtent platform	24/01/2018
Satyaveena	Reflex Klystron	Adobe econtent platform	24/01/2018
No file uploaded.			

#### 4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	625	8	620	3	1	5	40	8	0
Added	0	0	0	0	0	0	0	22	0
Total	625	8	620	3	1	5	40	30	0

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

16 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 Oxford Studio	<a href="http://www.theoxford.edu/college_of_science/igac.htm">http://www.theoxford.edu/college_of_science/igac.htm</a>

#### 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
46.19	31.89	25	21.18

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)

<p>The Institution has a dedicated maintenance department responsible for overseeing the maintenance of general infrastructure, buildings, class rooms, laboratories, hostels, cafeteria, sports facilities, utilities, lawns etc. PHYSICAL INFRASTRUCTURE MAINTENANCE Physical Infrastructure is maintained by a</p>
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dedicated team of in house Plumbers, Electricians, Carpenters, mechanics as well as External Service Providers (ESP) under the supervision of Maintenance officer. The college has appointed a full time maintenance incharge to oversee the maintenance of the college, buildings, classrooms and laboratories and other infrastructure. He is in charge of regular upkeep and maintenance as well as renewal of Annual Maintenance Contract for the utilities. Job profile of the Maintenance Officer includes Liaising between the Management and Service providers. Renewal of Annual Maintenance Contact Regular supervision and maintenance of classrooms, laboratories and other facilities. Maintain campus signage Maintenance of electrical connections and fittings Regular maintenance of power back up facilities waste segregation and Garbage clearance Optimum working condition of all properties/ equipment on the campus is ensured through annual maintenance contracts (AMC) through external service providers (ESP) and internal staff. The AMC purview includes maintenance of Generator, Air Conditioners, and Water Purifiers. MAINTENANCE OF COMPUTER HARDWARE AND SOFTWARE The institution has appointed qualified full time system administrators to maintain Computer Labs, Network and College Websites. The institution has annual maintenance contract in place with hardware suppliers for maintenance of computers and their accessories and also with software vendors for regular upgradation MAINTENANCE OF LAB EQUIPMENTS The equipments in the departmental laboratories are constantly upgraded and maintained by the respective Departments through Annual Maintenance Contract with respective vendors. MAINTENANCE OF SPORTS FACILITIES The general maintenance of sports facilities is undertaken by the maintenance officer and supervised by the Physical Education Director Physical Education and students' sports secretary. MAINTENANCE OF LIBRARY A dedicated team of support staff is allocated to library to keep the library premises clean and dust free. The job profile of the support staff includes dusting of the books on a daily basis, dusting the library furniture and cleaning the carpet area. The institution has formed a library committee to oversee the general maintenance of library infrastructure, availability of books, sorting and arrangement of books in the racks and also ensure that the students are happy with library facilities and service. MAINTENANCE OF premises of the college The institution appointed a dedicated gardener who maintains the garden.

[http://www.theoxford.edu/college\\_of\\_science/pdf/SOP%20%20SC.pdf](http://www.theoxford.edu/college_of_science/pdf/SOP%20%20SC.pdf)

## 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 Endowment Scholarship	29	186000
Financial Support from Other Sources			
a) National	National merit scholarship	78	389380
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

Mentoring	11/08/2017	1752	Student welfare committee
Remedial coaching	03/10/2017	645	Respective departments
Language lab	01/08/2017	150	English Department
Bridge courses	31/07/2017	982	Department
Yoga	01/08/2017	30	Physical Education
Soft skill development	01/08/2017	170	HR and Placement
Mentoring	11/08/2017	1752	Student welfare committee
Remedial coaching	03/10/2017	645	Respective departments
Language lab	01/08/2017	150	English Department
Bridge courses	31/07/2017	982	Department
Yoga	01/08/2017	30	Physical Education
Soft skill development	01/08/2017	170	HR and Placement
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Personality and Employability Training Program	575	575	10	140
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
4	4	7

**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
<b>No Data Entered/Not Applicable !!!</b>					
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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
2018	19	BCA	BCA	THE OXFORD COLLEGE OF SCIENCE	MCA
2018	33	B.Sc	B.Sc	THE OXFORD COLLEGE OF SCIENCE	M.Sc/MCA
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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
No file uploaded.	

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

Activity	Level	Number of Participants
Cricket	College level	150
Cricket	College level	150
Oxfoignite	National	872
Chess	college level	25
Table Tennis	College level	32
No file uploaded.		

## 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
2017	NA	National	0	0	NA	NA
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### 5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The Oxford College of Science has the Student Council separately for UG and PG program The Principal is the Chairperson The Student welfare officer is the member secretary The council is managed by President, Vice President and members The selection of the council members procedure is as follows Each section selects two class representatives From the set of class representatives, President, Vice President, Treasurer, Cultural secretary, and sports secretary are elected The cultural secretary and sports secretary are selected on the basis of active participation The members of the student council are elected for a period of one year The council members are administered during the Investiture Ceremony The council members will conduct meetings and decide on various activities for the academic year It is

responsible for organizing national festivals, College festivals and social functions like fresher s day, farewell etc Student council is required to perform all necessary functions in connection with library, cafeteria, sanitation and general behavior For various activities, funding is done by the Management. The following institutional bodies have student representatives in them: Governing Council: A UG and a PG student are nominated as members to provide suggestions on various academic and administrative activities. Cultural Societies: Each extra curricular activity society has a student executive team to manage various activities. Sports Committee: Annual sports meet committee has student representatives who plan the annual sports in association Physical Education Director. Library Advisory Committee: Three students from various disciplines are nominated to provide valuable suggestion. IQAC Committee: IQAC committee has a student representative. In addition, students are also part of various committees such as Counseling and Mentor ship, Grievance and Redressal cell under IQAC

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Oxford College of Science Alumni Association is a selfmotivated organization that is recognized and registered under Children’s Educations Society, Government of Karnataka in the year 2011. The purpose of this organization is to built a perfect union, ensure common understanding, and promote goodwill and general welfare among the students and society. Since its perception it is a platform where amalgamation of existing students, alumni and teachers takes place. The dedicated members of the committee will partner efficiently with Alumni to offer programs that foster campus traditions and maintain a passion for a lifelong association with the College. The objectives of this association are:

- To promote interaction among alumni students and enhance the awareness and understanding of the value added services.
- To conduct conference/ workshop for enrichment of knowledge and better placement.
- To prepare database and give feedback.
- To organize Re union Procedure:

• TOCS Alumni Association shall be the only organization with the authority to create or give official recognition to alumni constituency groups. Any other Alumni groups acting outside will not receive recognition, benefits, or support through the Alumni Association of TOCS. • TOCS Alumni Association shall serve as the umbrella organization for all officially recognized alumni chapters, alumni networks, alumni affiliates, alumni clubs, for approved events and programs, general guidance, consultation, and support. • All the final year (UG/ PG) students should submit the filled alumni membership form which contains their names, addresses, telephone numbers, and email addresses prior to final examination. • Alumni Association should hold at least two meetings in a year that epitomizes all the plans, program and activities. • Alumni Council members should be elected/ selected by the Alumni association members from the students/alumi as President, Vice President and Treasurer once in every three year. • Alumni Council should perform different student centric activities like constitution of scholarship funds, placement activities etc and communicate through either direct Alumni Association or through their official social network site.

5.4.2 – No. of enrolled Alumni:

12678

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

115000

5.4.4 – Meetings/activities organized by Alumni Association :

05

## 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 roles and responsibilities at each level are clearly defined and necessary authority is delegated to enable execution The College delegates authority to various positions such as VicePrincipals, Deans, HoDs, Coordinators and Managers These positions in turn delegate authority downwards depending on the nature of work The overall governance is participative and goaloriented However, while the College believes in decentralized leadership, key decisions that have a longterm implication are reviewed by Principal and top management The longterm endeavor is to provide complete operational autonomy to the Departments with adequate checks and balance 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 VicePrincipals and IQAC -Coordinator to formulate common working procedures and entrusts the implementation with the HoDs The Homanages 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

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
Curriculum Development	Being an affiliated College, the College follows the curriculum designed by Bangalore University. Follows Choice Based Credit System, has enhanced learning opportunities. The teachinglearning 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 are in practise. 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 pace with the latest technology and industrial practices.

Teaching and Learning

? Teaching and Learning The Internal Quality Assessment Cell will prepare its calendar and teaching schedule according to the academic plan of the University incorporating the various programmes of each department and released as academic calendar. 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 tutors and mentors. Class tests and Internal Examinations scheduled through notifications ensure the students 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 students overall performance. Innovative teaching methods, PBL, Peer teaching, Inhouse projects, MOUs, Internships, active placement cell, Certificate and skill developmental 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 academic organizations, for the postgraduate students to hone their academic skills. The interaction with the parents is arranged in every academic year and corrective actions initiated where necessary regarding student performance. Dean academics is

authorized for conducting academic audit of all the departments pertaining to academic and related activities of various departments. The audit will be taken place in annual basis and will be presented during strategic meet. The consolidated report of the individual departments will be projected in the strategic meet as mentioned. In the process, the lacunas 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.

Examination and Evaluation

The Oxford College have semester based system. It promotes continuous learning and inculcates regular studying habits among the students. The advantages of this system are well established and it is proven that the amount of learning is much more than regular annual system. The college has also introduced Internal Practical Examination so that the students become familiar with the procedures and patter of the practical examination. The college has also introduced Centralized Internal Examination .

Research and Development

Implementation of DSTFIST fund (Rs 60, 000, 00) has started and placed the order to procure the instruments to set up a bioprocess facility. Launched an online journal ([www.tojsr.org](http://www.tojsr.org) ) and released the 1 st issue of The Oxford Journal and Science and research (TOJSR) on 10 th October , 2018 to promote to culture of research and development in the college. Intimating and encouraging faculties to submit research proposals to funding agencies like SREB/ DST/DBT/VGST Another strategy adopted by the college is to reduce the work load of faculty involved in projects including funded projects so that they can dedicate more time towards R D Support system is in place to encourage the faculty members to obtain grants from various funding agencies for research. Promoting interdisciplinary and collaborative research Faculty members are incentivezed to publish papers and obtain grants .

Human Resource Management

Human Resource Management is generally associated with recruiting faculty and non teaching staff with the appropriate

knowledge and skills to accomplish the work tasks and to implement continuous development. The HR unit in an educational institute 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 focused on ? To maintain candidate database and enhancement of the quality of faculty. ? Retention of experienced faculty ? Rewarding their every achievement as incentive has also been taken into consideration. The other facilities include: ? A dedicated pantry facility for faculty ? Health card,EPF,Subsidized canteen food ,Maternity Leave,Free dental treatment etc

Library, ICT and Physical Infrastructure / Instrumentation

The Institution has adequate number of computers and peripherals for both the students and the faculty that facilitates the extensive use of ICT and computeraided teaching learning materials through the following Lecture through power point and multimedia presentation Lesson plans, seminars, assignments and notes are emailed to the students by creation of Google groups as well as it can be accessed through CMS Students are encouraged to prepare assignments, reports and dissertations by accessing the information from the internet WiFi access throughout the campus Training Programs on ICT are conducted frequently Access to Digital Library Plug and play facilities in gallery rooms and seminar halls Campus management system is in place

Industry Interaction / Collaboration

Every Department is required to organize minimum of two Guest lectures for every semester and provide opportunities for interaction inviting experts from Industry Industry visits are regularly organized both within and outside state HR Placement Cell facilitates internship in industry for students UG PG students carry out shorterterm projects in industry Addon courses are offered in collaboration with industry

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

E-governance area	Details
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Planning and Development	It is implemented through Campus.technology
Administration	It is implemented through Campus.technology
Finance and Accounts	It is implemented through Campus.technology
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
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

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)
2017	Strategy Meet	Glad Me Soft Skill Training	29/06/2017	01/07/2017	72	23
<b>No file uploaded.</b>						

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
Faculty development Program	2	28/12/2017	29/12/2017	2
Faculty development Program	18	21/11/2017	21/11/2017	1
<b>No file uploaded.</b>				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time



80	74	15	15
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#### 6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Health Card, EPF, Subsidized canteen food, Maternity leave, Free Dental treatment,	Health Card, Free dental treatment, Free transportation, maternity leave, subsidized canteen	Free health check up, Free dental check up, scholarships through endowment fund

### 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 carry out 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
nil	0	NOT APPLICABLE
No file uploaded.		

#### 6.4.3 – Total corpus fund generated

00
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### 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 Parent feed back on Infrastructure and quality of teaching Orientation to parents ( Successful Parenting for Teenage) Guest Lectures by parents Support to conduct Fashion Show

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

- Staff Development Program was conducted on 01.07.17 at 9.30 am at Seminar Hall.
- Topic: "Glad me" Soft skill training By Mr. Nabeel Ahmed, Mr Nabeen



Ahmed, Alumni, BA Psychology Department ended the session for Non teaching with a interactive discussion on how to interact with people with a positive approach, to "Respond rather than React" to a situation. • On 6th July 2018 College was organized Staff Development Program on "To review the rules and regulation and duties pertaining to Nonteaching Staff". • College has conducted "Free Health Check up and issued Health Card to all the staff members.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

Expansion of ICT MIS Industries sponsored projects For new generation subjects latest edition books have been purchased English LAB SOFTWARE updated Compulsory English Lab hours included in timetable to improve speaking skills

6.5.5 – Internal Quality Assurance System Details

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

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
2017	Implementati on of ICT	10/07/2017	17/07/2017	30/04/2018	75
2017	MIS automation	11/09/2017	25/09/2017	30/04/2018	75
2017	CO PO attainment monitoring	05/03/2018	31/03/2018	15/04/2018	75
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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
Importance of family life	11/07/2017	11/07/2017	50	65
Dowry harassment	16/08/2017	16/08/2017	86	71
Importance of learning self defence	24/08/2017	24/08/2017	290	152
Talk On How to Overcome the Broken Relationship	14/09/2017	14/09/2017	85	75
Talk on Drug Addiction	27/09/2017	27/09/2017	63	76

Balance between work and family	24/10/2017	24/10/2017	85	87
Finance Management	16/01/2018	16/01/2018	77	69
How to make friends and stay happy	25/01/2018	25/01/2018	81	86
AIDS Awareness	15/02/2018	15/02/2018	79	120
Talk on Respect for LGBT Community	23/02/2018	23/02/2018	67	88

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
The institution is in the process of implementing the renewable energy source. The solar power system will be connected to the main power grid to facilitate the excess power to be saved back to the grid

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	3
Provision for lift	Yes	3
Ramp/Rails	Yes	3
Braille Software/facilities	Yes	0
Rest Rooms	Yes	3
Scribes for examination	Yes	3
Special skill development for differently abled students	Yes	3

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	0	1	10/04/2018	1	Cleaning of Agara Lake	Cleanliness	35
2017	1	0	18/10/2017	1	Teaching basic computers knowledge	teaching underprivileged children	63
2018	1	0	01/01/2018	1	interaction with blind children	spending joy with blind children	43

2017	0	1	19/12/2017	1	Digitization	Benifits of digital transaction	23
2017	0	1	01/12/2017	1	Aids awareness	Aids awareness	234
2017	0	1	24/08/2018	1	waste segregation	proper segregation of dry and wet waste	347
2017	1	0	10/10/2017	1	Voluntary blood donation	Importance of blood donation	127
2018	0	2	02/02/2018	1	Health camp and nutirion program	Nutrition	70
2017	0	1	14/11/2017	1	Litrary program	Importance of literacy	67
2017	1	0	16/10/2017	1	Planatation	Environme nt conser vation	57
2017	1	0	09/10/2017	1	World mental health day	importanc e of mental health	62
2018	2	0	28/01/2018	1	Road cons tction at lake bank	Care for underprev ilaged	62

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Students Handbook	01/06/2017	The handbook contains professional ethics and code of conduct for various stakeholders The handbook is updated whenever there is a change in the university rules and regulations

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Visit to Samarthanam to interact with differently abled people	30/06/2017	30/06/2017	56

Swachh Bharat Abhiyaan	25/10/2017	25/10/2017	250
Blood Donation	15/03/2018	15/03/2018	75
Importance of Digitization	13/11/2018	13/11/2018	125

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

Promotion of Green campus Plastic FREE ZONE Minimize paper utilization Segregation of waste in the labs Ewaste management

## 7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Implementation of Online course 2. Implementation of incubation center

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

[http://www.theoxford.edu/college\\_of\\_science/pdf/BEST%20PRACTICE.pdf](http://www.theoxford.edu/college_of_science/pdf/BEST%20PRACTICE.pdf)

## 7.3 – Institutional Distinctiveness

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

The Oxford College of Science plays a distinct role in higher education. The campus is located in the hub of the garden city Bangalore. The mission of the institution is to provide all sections of students a comprehensive education to take up the challenges in life and prepare for life. The motto of the institution is to aspire for the welfare of society through excellence in science and technology. The Institution consistently inspires students and provides platform for scientific development, technical development and Human value development. The college offers various programs in science stream which contribute immensely for the development of scientific thinking in students and promote research. The following policies adopted by our institution to promote science education which make our institute distinctive:

- The Oxford College of Science offers various graduate and post graduate courses both in applied science and Pure Science with unique combinations in physical science and life science, in this way our institute caters the needs and demands of all students.
- The college offers various science courses at a reasonable fee structure.
- We have open admission policies, where we give equal educational opportunities for all students, irrespective of their religion, place of birth, caste, gender, nationality.
- The college is providing higher education for the economically weaker section in the society.
- The college gives scholarships, fellowship for the meritorious students.
- Throughout the academic year, the college organizes seminars, conferences, science exhibitions, science day celebration etc in order to inculcate scientific mindset among young learners.
- The college promotes women's education.
- Gender sensitizing programs are organized by the Women Empowerment Cell throughout the academic year.
- We have highly qualified, efficient and dedicated faculty members.
- The college promotes technical education, innovations and inventions in science education.
- Research based learning and teaching.
- The college has good infrastructure, spacious campus with dedicated non teaching staff and good maintenance system.
- The college provides ICT enabled facilities such as smart classes.
- The institute is equipped with good library.
- The college encourages students to participate in inter collegiate sports activities, NCC and NSS.
- The institute has been organizing inter collegiate cultural fest with various competitions.
- Various skill development programs are conducted as value added programs.
- Along with academic activities, college also encourages students to organize

and participate cocurricular, extracurricular activities. • The institution promotes and motivates students to participate in various competitions. • Every year, the college conducts the orientation and motivational sessions to the fresher's at the commencement of the academic year. • Since its inception the college has been thriving to enhance quality in higher education. • The college has got recognition and ranking among the best colleges in the city. • The institute has placement cell and students are guided for their career advancement. .

Provide the weblink of the institution

[http://www.theoxford.edu/college\\_of\\_science/index.htm](http://www.theoxford.edu/college_of_science/index.htm)

### **8.Future Plans of Actions for Next Academic Year**

The IQAC has resolved the following as planned for next academic year: 1. Initiate econtent development by all faculties 2. Start online courses 3. Automate manual business processes 4. Implement ICT for all faculties 5. Implement LCS (Lecture Capturing System) 6. start activities for incubation centre 7. Participate in NIRF