

THE OXFORD COLLEGE OF SCIENCE



Recognised by the Government of Karnataka
Permanently Affiliated to Bangalore University
Approved by AICTE New Delhi
Accredited by NAAC with 'A' Grade in Cycle II & IAO
Accredited by LSSSDC
Recognised by UGC under section 2(f) & 12(B)
Funded by DST under FIST Program
Recognised by GoK for BiSEP Program (Formerly BTFS)



Children's Education Society

The Oxford College of Science

Established in the year 1994, The Oxford College of Science (TOCS) is today one of the premier institutions, providing its students with hi-tech educational facilities while retaining traditional values. The Oxford College, a centre for academic excellence and achievement, with its strong industrial collaborations is able to mould young, talented individuals to compete in the global arena. The Oxford College of Science is affiliated to Bangalore University and follows its curriculum. Being an exclusive Science College, it has 14 departments offering 12 UG courses with a wide range of subject combinations, and 13 PG courses. It also offers a PG Diploma course in Cellular & Molecular Diagnostics envisioned and supported by the Department of IT, BT and S&T, GoK as the Biotechnology Skill Enhancement Program (BiSEP).

The Department of Biotechnology

Established in 1999, the department has been recognized as a research centre by Bangalore University to carryout research facilitating students to pursue their Ph.D degree. TOCS also has the reputation of having been chosen as one of the few colleges to host the **Biotechnology Finishing School (BTFS)** program from 2011 – 2016 and **Biotechnology Skill Enhancement Program (BiSEP)** from 2018 onwards. Under this scheme, TOCS has been training students from the last 8 years in **Cellular and Molecular Diagnostics**. More than 120 industry ready students have been catered to Biotechnology and BioPharma companies. The placement of these students for their internship and subsequent employment of these students has strengthened the association of the department with various BioPharma companies.

The BiSEP Program

The Biotechnology Skill Enhancement Program (BiSEP) earlier known as the Biotechnology Finishing School (BTFS) is a unique initiative by the Government of Karnataka to provide skill based training to B Tech., M. Tech., M.Sc., Life sciences students and get them ready to take up an industry assignment. Students are selected every year for this program through Karnataka – Biotechnology Aptitude Test (K-BAT) at all India level. The number of applicants of this program has been increasing year after year with an overall job placement record of 70%. Currently, under this scheme, there are 18 institutions offering this program under 9 different domains. These institutes under BiSEP offer one year Diploma divided into two semesters of six months each. During the first semester students will have to undergo a course work and focused hands-on training in one of the sub-domains of Biotechnology in a chosen host academic institution. While, during the second semester students are placed in the industry for internship. Eligible candidates are either directly absorbed by the same industry or are referred to similar companies.

Training workshops @ BiSEP facility

The Department of Biotechnology, The Oxford College of Science, is organizing the following workshops for Faculty members, Research Scholars, M.Sc., B.Sc., & B.Tech students:

Faculty Development Program (Essentials of Quality Control and Quality Assurance)

- Quality control and quality assurance in Pharma industry, Qualification and validation
- Quality testing methods, tools and techniques
- Quality certifications, guidelines and regulations
- QMS, good documentation practices
- Quality audits and trails
- Laboratory demonstration of QC methods

Duration: 1 week
From 15.07.2019 to 19.07.2019

Molecular Biology in Biotechnology and Pharmaceutical Industries

- Introduction to DNA, RNA and Proteins
- Applications and case studies in the industry
- Expression systems, Molecular cloning
- Cell line development, Screening methods
- Protein characterization methods
- Laboratory demonstration of molecular biology methods

Duration: 2 week
From 29.07.2019 to 10.08.2019

Analytical tools in Quality Control

- Introduction to quality control (methods and approaches)
- Good laboratory, manufacturing and documentation practices
- Microbiological, spectroscopic, electrophoretic, chromatographic and immunological methods
- Laboratory demonstration of quality control methods and instrument handling

Duration: 4 week
From 19.08.2019 to 14.09.2019

Venue

The BiSEP facility,
The Department of Biotechnology,
The Oxford College of Science,
Sector IV HSR Layout,
Bangalore: 560 102,
Karnataka, India.

Workshop batches for 1 week
are conducted throughout the
year based on student
strength & requests. Please
contact for further details.

Timings:
09:30 AM
to
03:30 PM

Guidelines and accommodation

- Registration for the workshop will be on first come first serve basis (Limited seats per batch).
- Kindly confirm the availability of slots if registering after June for Faculty development program and other training workshops.
- The registration fees are Rs. 2,000/- for Faculty and Rs. 1,000/- for others.
- The registration fee is to be paid in the form of DD in favor of "Principal, The Oxford College of Science, payable at Bangalore" (kindly mention your name, address, phone No. behind the demand draft) or through NEFT, RTGS/IMPS to:
The Bank account No.: 14050101102766, Name: Jnanarjana, Type: Savings, IFSC Code: VIJB0001405
- **Accommodation available only on request at extra cost and subject to availability.**

For further details contact:

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For queries



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