



# The Oxford College of Science

Accredited by NAAC with A+ grade in cycle III

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Supported by DST GoI under FIST program, Supported by DBT GoI under DBT-STAR College

## DBT-STAR Scheme 2025

### REPORT

DEPARTMENT: BIOTECHNOLOGY

<b>TITLE</b>	Good Laboratory Practices In A Biotechnology Lab
<b>ACTIVITY TYPE</b>	Enrichment program
<b>YEAR/SEMESTER</b>	2026/ II/IV/VI Semester
<b>DATE OF EVENT</b>	04.03.2026
<b>VENUE</b>	College Auditorium
<b>ORGANISED BY</b>	Department of Biotechnology
<b>RESOURCE PERSON (with designation and affiliation)</b>	Prof. Salavadi Easwaran S, Associate Vice President, Academic Dean, Biocon Academy, Bangalore
<b>FACULTY INCHARGE/EVENT COORDINATOR</b>	Dr. Kavisa Ghosh
<b>TARGET AUDIENCE</b>	UG Life Science students
<b>NUMBER OF BENEFICIARIES</b>	106

**The objectives of the Programme:**

An enrichment programme on *Good Laboratory Practices in a Biotechnology Lab* was conducted for undergraduate life science students with the objective of familiarizing them with the principles and applications of GLP. The programme aimed to introduce students to OECD guidelines, emphasize the importance of standardized procedures, and highlight how GLP ensures data integrity, reproducibility, worker safety, and regulatory compliance. It also sought to instill professional responsibility by reinforcing the significance of documentation, quality assurance, and adherence to Standard Operating Procedures, thereby preparing students for future careers in research, industry, and regulatory environments.

**Highlights of the Programme:**

The programme featured interactive presentations and discussions that covered the core pillars of GLP—documentation, quality assurance, and standardization. Students were guided through the objectives of GLP, including the need to standardize procedures, train personnel, reduce variability, and ensure quality outcomes that ultimately safeguard patient safety and efficacy. Key aspects such as organization and personnel roles, facility and equipment management, SOPs and study plans, raw data handling, and quality assurance audits were explained in detail. The outcomes of GLP were also highlighted, including ensuring data integrity, promoting worker safety, enabling reproducibility, achieving regulatory compliance, preventing errors and fraud, and building scientific trust. In addition, the programme introduced students to Laboratory Information Management Systems (LIMS) workflows, emphasizing traceability from sample registration to reporting, while reinforcing professional commitments such as ALCOA++ principles, real-time documentation, and the non-negotiable use of PPE.

**The outcome of the programme:**

The outcome of the programme was highly positive, as it enhanced students' awareness and understanding of GLP as a cornerstone of credible science. They gained knowledge of how GLP ensures accuracy, safety, and reproducibility in biotechnology laboratories, while also developing practical skills related to SOPs, documentation practices, and quality assurance. The programme instilled a sense of ethical responsibility and professional orientation, aligning students with global standards of laboratory practice. By linking GLP to regulatory compliance and patient outcomes, students recognized its importance not only in academic research but also in industry careers. Overall, the programme strengthened their foundation in laboratory ethics and practices, equipping them with essential skills and perspectives for their future scientific endeavors.



Opening of the session on GLP by Prof. Salavadi Easwaran S



Problem statement and exercise by Prof. Salavadi Easwaran S



Discussion with students during GLP session



Q & A during GLP session

Head of the Department

DBT-STAR Coordinator

Vice Principal

Principal

## Attachments

<u>Sl. NO</u>	<u>Document</u>	<u>(✓) mark (if attached)</u>
<u>1</u>	<u>Brochure of the event</u>	<u>Yes</u>
<u>2</u>	<u>Circular of the event (For training/ workshop/guest lecture/FDP)</u>	<u>Yes</u>
<u>3</u>	<u>Geo-tagged photos/ Screen Shots (Save as separate photos)</u>	<u>Yes</u>
<u>4</u>	<u>Attendance sheet with signature of the attendees</u>	<u>Yes</u>
<u>5</u>	<u>Copy of the Certificate/E-certificate issued</u>	<u>Awaiting approval from resource person</u>
<u>6</u>	<u>Feedback Forms (For training/ workshop/Guest lecture/FDP)</u>	<u>Google Form circulated to students</u>