



# The Oxford College of Science

Accredited by NAAC with A+ grade in cycle III

Recognized by the Govt. of Karnataka; Permanently affiliated to Bangalore University & Approved by AICTE, New Delhi  
Recognized by UGC under section 2(f) & 12(B); Recognized by GoK for BISEP (formerly BTFS)  
Supported by DST GoI under FIST program, Supported by DBT GoI under DBT-STAR College

## DBT-STAR Scheme 2026

### REPORT ON WORKSHOP ENTITLED “PURE CULTURE TECHNIQUES”

#### DEPARTMENT OF MICROBIOLOGY

<b>TITLE</b>	<b>“Pure Culture Techniques”</b>
<b>ACTIVITY TYPE</b>	Workshop
<b>YEAR/SEMESTER</b>	2026 / II Semester
<b>DATE OF EVENT</b>	23 <sup>rd</sup> & 24 <sup>th</sup> February 2026
<b>VENUE</b>	Room 417 and Microbiology Lab
<b>ORGANISED BY</b>	Department of Microbiology
<b>RESOURCE PERSON</b>	Ms. Deepti Varrier Tutor, Consultify.
<b>FACULTY INCHARGE/EVENT COORDINATOR</b>	Ms. Ramyashri.O
<b>TARGET AUDIENCE</b>	II Semester B.Sc
<b>NUMBER OF BENEFICIARIES</b>	16

**The objectives of the programme:** The primary objective of the Two-Day Workshop on Pure Culture Techniques was to provide II Semester B.Sc. Microbiology students with fundamental theoretical knowledge and practical skills essential for microbial isolation and cultivation. The programme aimed to familiarize students with aseptic handling procedures, sterilization techniques, and standard microbiological practices used in laboratories. It also intended to bridge the gap between classroom teaching and hands-on laboratory application, thereby strengthening students’ technical competency and scientific approach in handling microorganisms.

**Highlights of the programme:** The workshop featured interactive theoretical sessions followed by intensive hands-on laboratory training under expert guidance. Students were trained in essential microbiological techniques such as streak plate, spread plate, pour plate methods, and aseptic transfer of cultures. Live demonstrations, supervised practice sessions, and individual participation ensured active learning. The programme emphasized laboratory safety, contamination control, and proper handling of microbial cultures, making the training comprehensive and application-oriented.

**The outcome of the programme:** At the conclusion of the workshop, students gained practical exposure and developed confidence in performing pure culture techniques independently. They demonstrated improved understanding of microbial isolation methods and the importance of maintaining aseptic conditions in laboratory environments. The programme enhanced their analytical skills, technical precision, and readiness for advanced microbiological experiments, thereby contributing significantly to their academic and professional development in the field of microbiology.



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**Inauguration of the Workshop**



**Technical talk delivered by Ms. Deepthio Varier in Room No 417**

**Technical demonstration in Microbiology Lab**



**Day 1: Hands-on Training on Pure Culture Technique**

**Day 2: Observation and result analysis**

**Day 2: Group photo**

**Head of the Department**

**DBT-STAR Coordinator**

**Vice Principal**

**Principal**