

## Academic Calendar 2023-24

### (Proposed activities under DBT Star College Scheme)

#### Department of Biochemistry

Month	Proposed Activities
June 2023	Inter-college online Summer Training Program on Research Methodology - 3.0
July 2023	Educational Trip to the Institute of Nuclear Medicine & Allied Sciences (INMAS), Defence Research and Development Organization (DRDO)
August -October 2023	Educational Trip to Jawaharlal Nehru University (JNU), New Delhi
August -October 2023	Educational Trip to National Brain Research Centre (NBRC), Manesar, Haryana
July -September 2023	Lab skill Training Program (Intra-College & Inter-College)
October-November, 2023	Inter-college workshop for faculty on: Bioinformatics and precision Genomics / In-silico drug designing / <i>Drosophila melanogaster</i> in bioscience research
November-December, 2023	Lecture on Plagiarism
November-December, 2023	Lecture/Seminar on Good Lab Practices
January / February 2024	National/International Conference
February 2024	Industrial training/visit to Delhi Pollution Control Committee (DPCC), Kashmere Gate, New Delhi,

Throughout the academic session	<b>Short projects for students</b> <ul style="list-style-type: none"> <li>● Assessment of load and quality of microbes isolated from fresh produce/food samples.</li> <li>● Studying the effect of different food components on the longevity and fecundity of <i>Drosophila melanogaster</i></li> <li>● Studying the efficacy of PTC as an indicator of health status</li> <li>● Culture and maintenance of Zebrafish as a model system to study various stages of its life cycle</li> <li>● Interplay of Genes in Highly Prevalent Cancer</li> </ul>
Throughout the academic session	<b>Additional practical and Experiments</b>

### Department of Botany

Date	Proposed Activity
June 12 to 20, 2023	Summer training Program
17.08.2023	Orientation Programme for the Students
15.10.2023	Webinar/lecture by eminent speaker
01.11.2023	Educational visit eminent institute/industry
Throughout semester	Additional experiments
Throughout semester	Project work
06.12.2023	Visit to an educational institute/industry
13.12.2023	Visit to Indian Agricultural Research Institute, Pusa, New Delhi
December 18 to 25, 2023	Training for Lab staff
25.01.2024	Industrial/Educational visit for students

19.03.2024	Student's activities and Competitions
20.03.2024	Seminar/ Webinar by eminent speaker

### Department of Chemistry

Date/Month	Proposed Activity
June 2023	Summer Training Educational Trip Lecture
September 2023	<ul style="list-style-type: none"> <li>● <b>Inter-Disciplinary Experiment</b></li> <li>1. Diels Alder reaction via green protocol</li> <li>2. Synthesis of an organic compound using Multicomponent reaction</li> <li>● <b>Workshop</b></li> </ul>
October 2023	<ul style="list-style-type: none"> <li>● <b>Inter-Disciplinary Experiment</b></li> <li>1. Separation of components of Combiflam</li> <li>2. Determination of free chlorine in a water sample</li> </ul>
November 2023	<ul style="list-style-type: none"> <li>● <b>Inter-Disciplinary Experiment</b></li> <li>1. Construction of Ag/AgCl reference electrode from used felt-tipped pen barrel</li> <li>2. Synthesis and characterization of transdichlorobis (ethylenedi amine) cobalt (III) chloride.</li> </ul>
January 2024	<ul style="list-style-type: none"> <li>● <b>Inter-Disciplinary Experiment</b></li> <li>1. Estimation of Li, Na, K and Mg in water sample obtained from different regions using Flame Photometer.</li> <li>2. To determine the amount of Zinc Oxide in calamine solution.</li> <li>● <b>Workshop for students</b></li> </ul>
February 2024	<ul style="list-style-type: none"> <li>● <b>Inter-Disciplinary Experiment</b></li> <li>1. Comparative study of acid regulators and/or acids present in aerated drinks and juices conductometrically.</li> <li>2. Determination of iron content in vegetables and fruits colorimetrically.</li> </ul>
March 2024	<ul style="list-style-type: none"> <li>● <b>Inter-Disciplinary Experiment</b></li> <li>1. Synthesis of magnetic nanoparticles by coprecipitation method.</li> <li>● <b>Additional Practical</b></li> <li>1. Solventless synthesis of substituted aniline with aromatic aldehyde</li> </ul>

April 2024	<b>Workshop for faculty</b>
Summer Break and Mid-Semester Break and Winter Break	<ul style="list-style-type: none"> <li>● <b>Inter-Disciplinary Project</b></li> <li>● <b>Laboratory Techniques</b></li> </ul>

### Department of Zoology

<b>Month</b>	<b>Proposed Activity</b>
June- July, 2023	<ul style="list-style-type: none"> <li>○ Summer Training Internship for students on “Assessment of Physical &amp; Mental Wellness: Clinical Relevance &amp; Remedial Measures” from June 27 to July 5, 2023.</li> </ul>
September- October, 2023 *	<ul style="list-style-type: none"> <li>○ Webinar/Seminar/Symposium/ FDP/ Workshop/Teachers/Lab Skill Training Programme</li> <li>○ Star Innovator &amp; Presenter Award</li> <li>○ Laboratory/Field/Institute Visit</li> </ul>
January/February, 2023*	<ul style="list-style-type: none"> <li>○ Laboratory/Field/ Industry visits</li> <li>○ Webinar/Seminar/Symposium/ FDP/ Workshop/Teachers Training Programme</li> </ul>
Throughout the academic session	<ul style="list-style-type: none"> <li>○ Mentoring Sessions</li> <li>○ Outreach Activities</li> <li>○ Projects</li> <li>○ Laboratory/Field/ Industry visits</li> <li>○ Additional experiments</li> <li>○ Hands-on Training</li> </ul>