



Ramakrishna Mission Vidyamandira
Belur Math, Howrah - 711 202

Academic Internship 2025
Offered by
Zoology Department

1. Demonstration and Hands on of ELISA and Determination of Routine Blood Parameters

Prerequisite: Participants must study at least two semesters as Honours/General/Major/Minor courses in Zoology/ Botany/ Physiology/ Microbiology/ Biotechnology / Life Science.

Tentative Timeline:

- Dates: 15th May-20th June 2025 (Any 3 Days);
- Time: 11am-5pm

Number of students: 25

Mode (Online / Offline / Hybrid): Offline

Aims & Objectives:

- Interns will be able to check different blood parameters like Total count of RBC and WBC (using hemocytometer), differential count of WBC, Cyanmethemoglobin method of haemoglobin estimation etc.
- Interns will know how to handle, dissect laboratory rats for the study of its anatomy.
- They will know how to collect blood by cardiac puncture, how to prepare blood serum.
- They will know how to prepare single cell suspension from spleen and determination of cell viability index using Trypan Blue Exclusion Method.
- They will know how to perform ELISA.
- They will also know the use of microscope, hemocytometer, spectrophotometer, cold centrifuge, autopipette, 37°C incubator, -20°C refrigerator, ELISA reader.

Applicable for: Boys only (who satisfies the pre-requisites).

Internship Code: ZOOAD1

Instructor: Dr. Avijit Dey, State Aided College Teacher – Category – 1, Department of Zoology, Ramakrishna Mission Vidyamandira.