



ST. ALOYSIUS' COLLEGE (AUTONOMOUS)
JABALPUR, (MADHYA PRADESH), INDIA
REACCREDITED 'A+' BY NAAC (CGPA 3.68/4.00)
COLLEGE WITH POTENTIAL FOR EXCELLENCE BY UGC
DST-FIST SUPPORTED & STAR COLLEGE SCHEME BY DBT



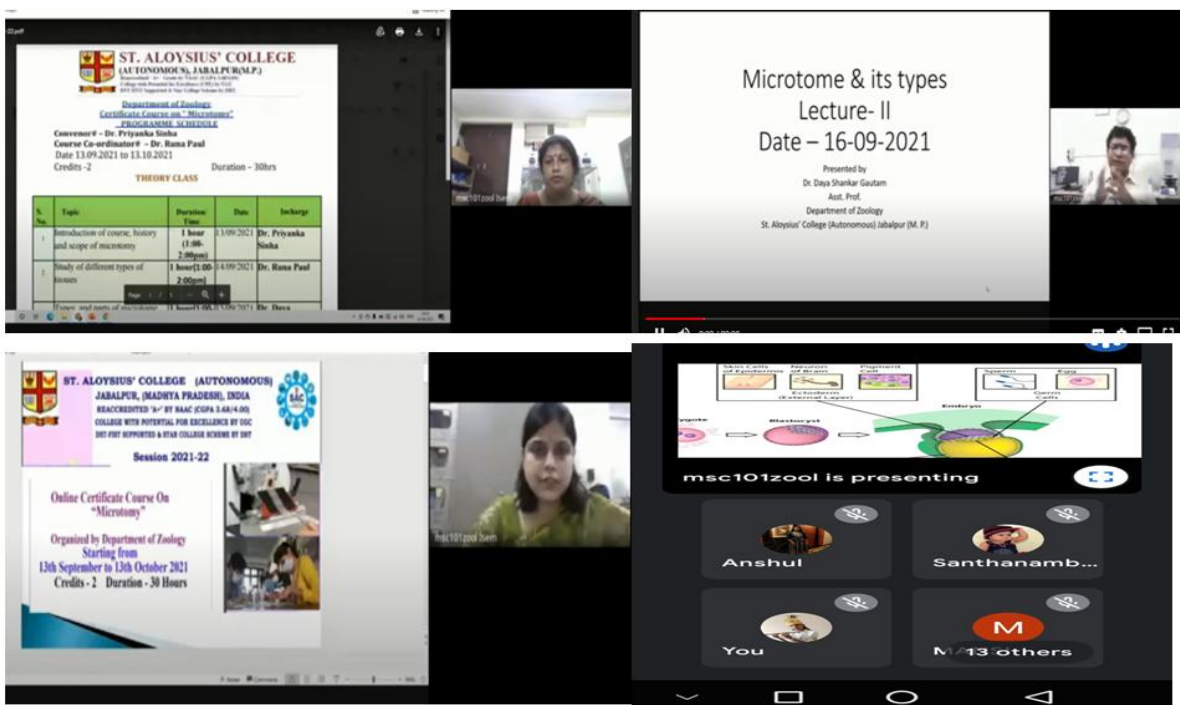
Session 2021-22

CERTIFICATE COURSE IN "MICROTOMY"
Organized by Department of Zoology

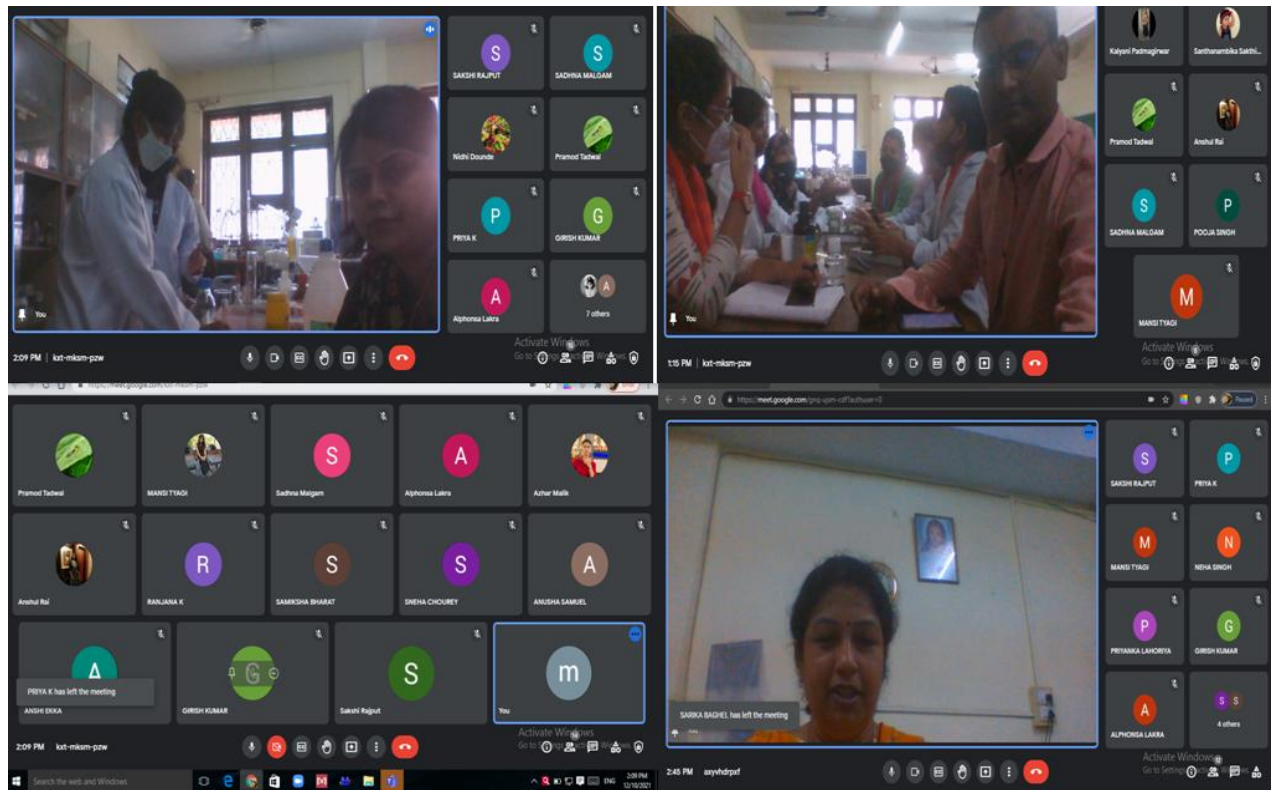
Convenor# - Dr. Priyanka Sinha
Course Co-ordinator# - Dr. Runa Paul
Date 13.09.2021 to 13.10.2021
Credits -2

Duration - 30hrs

A one-month online certificate course in "Microtomy" was organised from September 13th, 2021 to October 13th, 2021. The objective of the course was to educate the students how to prepare permanent slides of tissues for microscopic examination with the help of an instrument called Microtome. This course has helped the students to learn the histology details of the organs and tissues. The course will also provide students with opportunities to enhance their entrepreneurship skills. The total number of registered students was 28 (UG+PG). The participants who registered for the course were from the Career College, Bhopal, Sri Sathya Sai College for Women, Bhopal, Amolakchand Mahavidyalaya, Yavatmal, Maharashtra, Avinashilingam Institute for Home Science & Higher Education for Women, Coimbatore, Tamil Nadu and St. Aloysius' College (Autonomous), Jabalpur.



Lecture on different topics of Microtomy



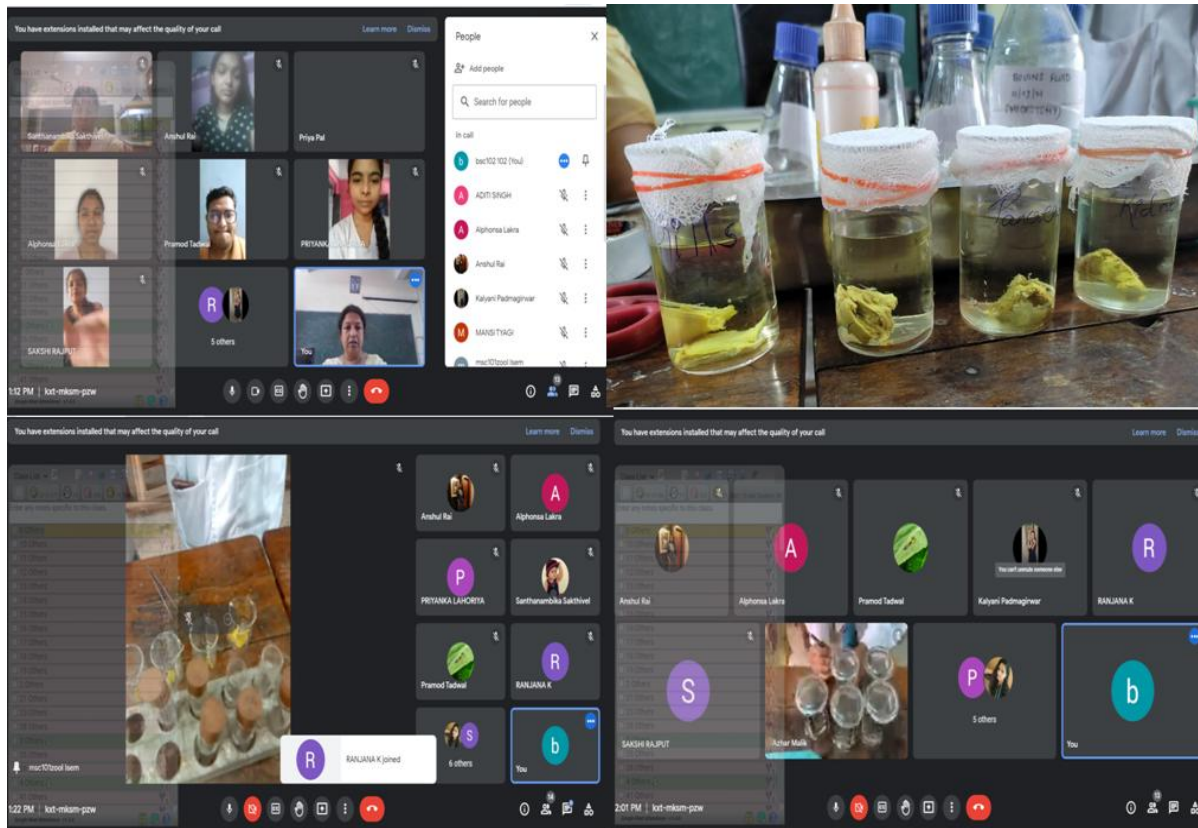
Theory & Practical online & offline



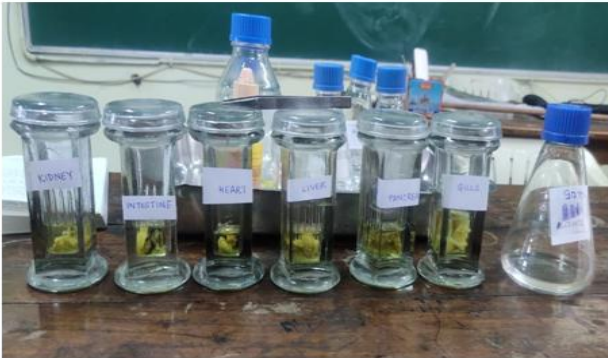
Dissection of fish and display of different parts of fish



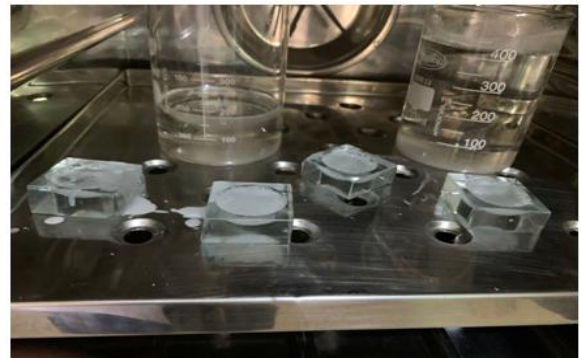
Preparation of fixative (Bouins Fluid)



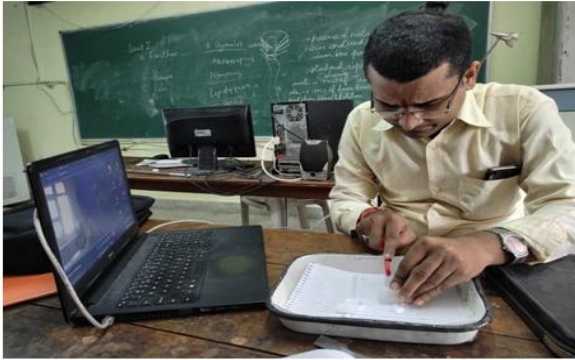
Washing of the material kept in fixative to remove picric acid



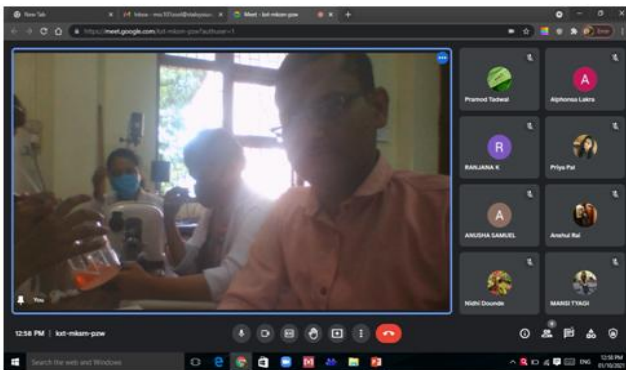
Dehydration & Clearing of the tissue



Paraffin Infiltration Embedding



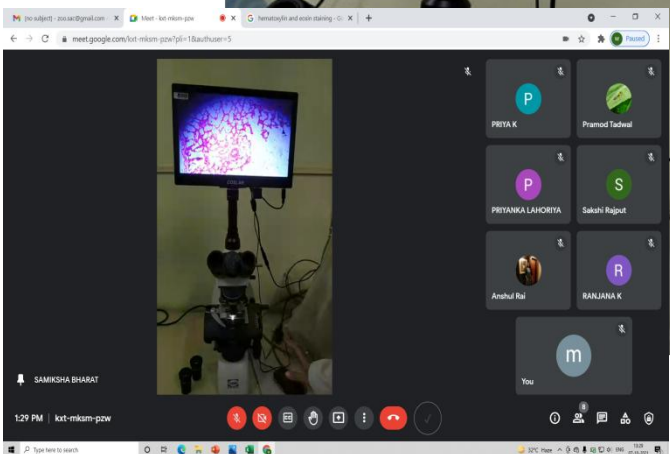
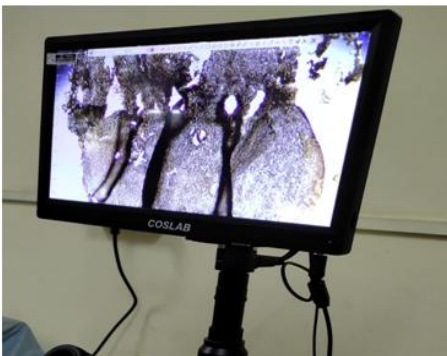
Block Making & Trimming



Affixing and processing of the sections



Staining (Dehydration & Counter Staining)



Mountant(DPX) & Observation under Phase Contrast Microscope