



**DEPARTMENT OF MICROBIOLOGY
GOVT. V.Y.T. PG AUTONOMOUS COLLEGE, DURG**



**‘Workshop and Hands on Training
on
Advance Learning in Biological Sciences’
January 13-19, 2020**

13.01.2020 Day 1: A. Experimental designs: Basic concepts and principles and significance of Biostatistics – Dr. Rajeev Choudhary, SOS in Physical Education, Pt. RSU, Raipur

B. Activity on preparations for Case study and Biostatistics

14.01.2020 Day 2: A. Lecture: Bioinformatics – Dr. Ranjana Sahu, BMM, Bhilai

B. Poster presentation Competition – M.Sc. Students

15.01.2020 Day 3: A. Lecture: Research Publication, Research Matrix and Plagarism – Dr. Arti Parganiha, SOS in Life Science, Pt. RSU, Raipur

B. Hands on Activity on Publication sites, h index, i10 index, Impact factors

16.01.2020 Day 4: A. Learning through Quiz: Dr. Pragya Kulkarni (KAHOOT)

B. Preparation of Posters and Explanation: Dr. Anupama Asthana

17.01.2020 Day 5: A. Lecture: PCR and RT PCR – Dr. Deepak Bharti, CMBRT, Bhopal

B. Hands on: Primer designing for amplification of specific gene sequence

18.01.2020 Day 6: A. Lecture: SDS PAGE and calculation of Molecular weight of polypeptide

B. Hands on DNA extraction through blood and Bacterial cells, Gel electrophoresis for DNA and Protein and band analysis



