S.B.V.P.Samaj’s

**S.M.B.S.T.College, Sangamner**

**Department of Zoology**

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| 1 | Title of the Activity | **“Hands on Training workshop”** |
| 2 | Place | S.M.B.S.T. College, Sangamner |
| 3 | Objective of the Activity | To study the basic techniques of Molecular biology, Entomology, Medical and forensic zoology, Evolution and Biological Techniques. |
| 4 | Date & Time of Activity | Date: March 14-16, 2024  Time: 12:00 pm Onwards |
| 5 | Number of students Participated | 03 students of Nutan College, Rajapur.  11 students from SMBST College, Sangamner. |
| 6 | Lecturer | Prof.Dr..L.D.Ghaywat |
| 7 | Chief Guest | Dr.D.D.Patil (Principal of SMBST College ) |
| 8 | Beneficiary/Progamme Outcome | The outcome of the workshop more positive interaction among all the students and their participation that give idea to all the attendants of handling, performing and interpretation of work/practical |

Program Coordinator IQAC Coordinator Principal

**Hands on Training workshop**

Report

Workshop on "Hands on training" was organized by Department of zoology for T.Y.BS.C students of and on molecular biology, Entomology, Medical and forensic zoology related teaching kits was organized on March 14-16, 2024 The workshop inaugurated by Dr.Ghaywat L.D. (Prof. & Head) with a brief introduction of the workshop.

Further, Mr.Vikas Gunjal (Assocute Prof) and Mr.Sandip Kudner (Assistant Prof) gave the basic objective behind the workshop. The workshop was attended by T.Y.BSc. students. The workshop was supervised by Dr. Laxman Ghaywat.

Day 1: After the inaugural function the workshop was started by Asst.Prof.Vikas Gunjal . He started the workshop with presentation on restriction digestion and ligation of DNA. In the second session Dr. Laxman Ghaywat took workshop on working of Instruments e.g. Electrophoresis, Tissue extraction and preservation ,Centrifugation ,Colorimeter, electron microscope etc. which was continued by discussion between the students and the experts. For performing the practicals all the students were divided into 5 groups.

The results and queries were discussed further between the experts and students.

Day 2: On the 2nd day technical expert Asst.prof. Sandip Kudner gave presentation on Microtome techniques and explained the basic concepts and its working principle. The same groups performed the practicals on 2nd day followed by discussion session. Second session Asst Prof. Shaila Borase took workshop on Medical and forensic entomology. Students enjoyed a session as it was included some interesting topics like postmortem changes, fingerprint analysis etc.

Day 3: on 3rd day Dr. Anupama Kandalgaonkar gave presentation on evolution Zoogeographical Realm. Students were trained to prepare zoogeographical realm with respected species of that area. In second session Asst.prof. Rida Maniyar gave hands on training on determination of Blood group, Estimation of Hemoglobin, determination of Bleeding and Clotting time.

HOD

Prof.Dr.Dhakne K.R.

