

SLC02 Add-on Course
“Introduction to Machine Learning for Zoology”

The amount of biological data generated and available nowadays gives us unfathomable opportunities to learn and find correlation of various life-phenomenon. The patterns that are hidden can be uncovered and can help to reveal many hitherto un-understood mysteries of the life-forms. In order to empower Zoology students of Hansraj College with machine learning techniques for data analysis skills, an add-on course was conducted on “Introduction to Machine Learning for Zoology” for two weeks starting from 10th July to 24th July 2020 organized under the aegis of Student Learning Centre, IQAC Hansraj College.

The course was conducted successfully within the mentioned duration. The inaugural session was held on 10th July 2020 with the special wishes from Dr. Rama, Principal Hansraj College and Dr. Mona Bhatnagar, Director IQAC Hansraj College. The duration of the workshop was found to be judicious utilisation of time and knowledge for the students before they begin their next academic session. During the course, the attendance records were maintained on the regular basis. The practice sheets/notebooks along with practice assignments were shared with the participants on a daily basis. Two assignments, one based on core python and another based on Seaborn and pandas were given to participants. They were asked to submit the same within the stipulated time period. During last week, participants were asked to create a mini-project based on data analysis using Machine Learning approach on publicly available data. Additionally, time to time feedback was taken from students for the understanding part of the lecture, hands-on and speed as the subject is completely new to them. Also doubts sessions were kept on a regular basis after every class.

Among 45 registered participants, only sixteen participants could successfully complete the course. They were selected as eligible for a

certificate as they successfully attended 75% or more classes along with the timely and successful submission of two assignments and one mini project. During last week, a formal feedback was taken where students have shared how the course has made them more comfortable with computer programming and data analysis and their keen interest in pursuing the same in future.

Overall the course was found to be a wonderful experience for the organising team as well as participants.