Rayat Shikshan Sanstha's

Sadguru Gadage Maharaj College, Karad

(An Autonomous College)

Department of Statistics

M.Sc (2022-23)

Short Term Course on

Statistics and Machine Learning Using Python Software

(RUSA Sponsored)
In Collaboration with DEVELEARN PVT. LTD. MUMBAI (Under MOU)

1. Title of Activity: "Short Term Course on Statistics and Machine Learning Using Python Software"   (RUSA Sponsored)

2. Date and Venue: 28/01/2023 to 12/02/2023; E3- 04 Computer Lab.

3. Description of Activity: The Resource person of this training, Mrs. Sanvee Khot, Trainer, Trainer, DeveLearn Technologies Pvt Ltd, Mumbai. For this training syllabus of eight modules was designed for two days. In module1 setting up the working environment was discussed. In module 2 linear regressions with statistical models and in module 3 linear regressions with sklearn was discussed. In module 4 he discussed logistic regression, in module 5 cluster analysis and graphical representations of data and interaction was conducted, in module 6 discuss the classification techniques, in module 7 practices on unsupervised learning methods. Also they discuss on how to work on real datasets. This training program is useful for students for data analysis purpose.

4. Outcome of Activity: Students learn following techniques by attending this training.

- To create and interpret data visualizations using the Python programming language and associated packages and libraries.
- To apply and interpret inferential procedures when analyzing real data.
- To apply statistical modeling techniques to data (i.e. linear and logistic regression, linear models, multilevel models, Bayesian inference techniques.)
- To understand importance of connecting research questions to data analysis methods.

5. Number of Students present: 80 Students and Faculty.
   No. of beneficiaries: 80

6. Name of the collaborating Agency: DEVELEARN PVT. LTD. MUMBAI

HEAD/CHAIRMAN   SEAL   PRINCIPAL
                                                                                       S.G.M. COLLEGE KARAD