Date:-30/08/2022

Meeting of Members of Board of studies for Add-on Course on "Basic Python Programming" has been conducted on Thursday, 01st Sept, 2022 in the Principals cabin at 11:00 a.m.

After discussion on the syllabus of Add-on Course on "Basic Python Programming" and duration of the course the following resolution has been passed:

1. Add-on Course on "Basic Python Programming" should be for B.Sc.-III (Semester-V) Statistics students.

2. Add-on Course on "Basic Python Programming" should be of 40 hours.

3. Syllabus of Course should be:

   Theory (15 Hours) and Practical (25 Hours):
   1) Introduction to Python
   2) Installation Setup and Overview
   3) iPython / Jupyter Notebook Overview
   4) Introduction to numpy
   5) Creating arrays, Using arrays and scalars, Indexing Arrays, Array Transposition, Array Processing, Array Input and Output
   6) Data Frames, Index objects, Re-index, Drop Entry, Selecting Entries
   7) Data Alignment, Rank and Sort, Summary Statistics, Missing Data, Reading and Writing Text Files
   8) HTML with Python, Microsoft Excel files with Python
   9) Merge, Merge on Index, Concatenate, Combining Data Frames
   10) Duplicates in Data Frames, Mapping, Replace, Binning
   11) GroupBy on DataFrames, GroupBy on Dict and Series
   12) Splitting Applying and Combining