**Assignment-WD (web programming and design) of IT Worskshop-1, CSE, IIT (BHU), Varanasi.**

**Marks 100. Deadline: April 12, 23:55 hours.**

This assignment is to be done in groups of three as given on the course portal. You will continue to put code on github. The following are the requirements of the website you are required to build. Apart from the functionality there are points for code modularity (css, templates, etc.), and site design (usability) and the more creative you are the better it is! You are free to choose any framework to build the website including FLASK and Django.

1. Build a static webpage for yourselves where each member of the group has an individual page detailing his/her background (academic details, the place they come from, etc.) and list of courses they have taken so far. 30 points

2. Build a dynamic webpage that takes certain input from the user, performs some computations on the input and displays the output.

   a. Take a set of numbers and display their average. 10 points.
   b. You can choose any one from the following two options: 60 points.
      - Take input through a form for the numerical assignment programs that you have written and display the plots generated through graphing and plotting on the webpage. Choose from any of the numerical assignment problems that has a corresponding plotting functionality.
      - Take the marks of different students for all the different tests and assignments so far and generate plots showing box-plot of marks for various assignments/tests, histogram of average of student marks, and a dot plot with roll numbers on the x-axis and marks on the y-axis.

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