PROJECT 2

The objectives of this project are

1. Evaluate the MatLab, Sage, and Python PSEs for a set of algorithms from an application area you will select from a following list. You will follow the methodology of evaluation to be presented by the Group 1. You need to study the related resources.
2. Presentation of the results of the evaluation study and the algorithmic set and criteria of evaluation.
3. Solve classes of "small" projects within the application area you have selected and the best PSE from the three for this application.

Application Areas proposed (Every group will select one and notify Houstis. Notice that the instructors will redistribute the assignments so we will be able to cover all applications.)

1. Data Mining and Analysis
2. Optimization for energy systems
3. Robotics
4. Graphics
5. Life sciences – bioengineering
6. Social Networks
7. Computational Finance (Stock Market Predictions and Evaluations)
8. Dynamic Simulations
9. Signal and Image Processing