1. Warming-up

1. Install Pandapower

2. Develop simple two node model

3. Compare with analytical calculation

2. Develop project plan

1. Split the group in three groups: Front-end, Data-base, Analysis tool

2. Define project goal

3. Define interfaces

4. Define optimal data structure

3. Implementation and testing

1. Define software environment for programming and version control

2. Define well defined test cases

3. Divide the problems in sub problems

4. Programming

5. Testing

4. Develop a nice example for presentation

The main input of the grid should be done in an excel table, which is then read by the software. Only a few defined inputs can be altered through the frontend.

Week 1:

Input excel file: template & code ideas

Scenarios: list with possible scenarios

Topologies: list with possible topologies