# Propens Pandapower Timeplan

Nov. 9 – Nov. 15 (KW 45-46):

Frontend: implement input function

Database: finish scenarios and topologies list

Analysis: excel/data output formatting; analysis function

Nov. 16- Nov. 22 (KW 46-47):

Database: implement scenarios and topologies

Analysis: excel/dashboard output formatting; analysis function and print it in excel

Nov. 23 – Nov. 29 (KW 47-48):

Database: implement scenarios and topologies

Analysis: link output to front-end configuration

Nov. 30 – Dec. 6 (KW 48-49):

Frontend: implement test cases, clean code

Database: implement test cases, clean code

Analysis: implement test cases, clean code

Dec. 7 – Dec. 13 (KW 49-50):

Frontend: (implement GUI and executable)

Database: implement test cases, clean code

Analysis: implement test cases, clean code

Dec. 14 – Dec. 20 (KW 50-51):

Frontend: Documentation, readme

Database: Documentation, readme

Analysis: Documentation, readme

After Christmas: project report, prepare for the presentation

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| **Week** | **Frontend** | **Database** | **Analysis** |
| **Nov. 9 – Nov. 15 (KW 45-46):** | - implement input function | - finish scenarios and topologies list | - excel/data output formatting;  - analysis function |
| **Nov. 16- Nov. 22 (KW 46-47):** | - implement scenarios and topologies |  | - excel/dashboard output formatting;  - analysis function and print it in excel |
| **Nov. 23 – Nov. 29 (KW 47-48):** | - implement scenarios and topologies |  | - link output to front-end configuration |
| **Nov. 30 – Dec. 6 (KW 48-49):** | - implement test cases, clean code | - implement test cases, clean code | -implement test cases, clean code |
| **Dec. 7 – Dec. 13 (KW 49-50):** | - (implement GUI and executable) | - implement test cases, clean code | -implement test cases, clean code |
| **Dec. 14 – Dec. 20 (KW 50-51):** | - Documentation, readme | - Documentation, readme | -Documentation, readme |
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**Guideline**

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