Project Proposal of

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Topic: **Simulation of Sub Synchronous Oscillations in a electric powergrid using PSCAT or similar**

The aim of the project would be to simulate sub synchronous oscillations in an electric power network. More specifically

Possible alterations:

**Project Timeline**

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| 27.12.2023-07.01.2024 | Research about inrush currents and transformer modelling |
| 08.01.2024-28.01.2024 | Network building/Simulator Adjustment and testing |
| **End of January** | Preliminary Presentation |
| 22.01.2024-04.02.2024 | Network Simulation and results analysis |
| **Mid February** | Final Presentation |
| 05.02.2024-25.02.2024 | Writing of Final Report |

Note: The timeline is a rough draft subject to future set deadlines and the actual time it takes to complete each task.