Exercise Gantt Chart and PERT diagram

## Description

To get an overview of the whole project it is necessary to cluster the single activities of a project and represent them as a one-way picture. This will be done by this exercise developing a PERT (Program Evaluation Review Technique) diagram and a Gantt chart for the student's topic.

## Purpose

Students learn to structure complex things simple and outline them graphically.

## Activities

Structure single tasks of your project and organise them in a Gantt chart as learned in the course. Primary emphasis on the Gantt chart is the period, within which a particular Work Package including the 1-n Work Tasks are active. Additionally, milestones and deliverables should be clearly defined and should correspond with OVIs, QQT, and SMART indicators! Guiding questions could be:

* How do you want to achieve your project objectives?
* **What activities do you need to carry out to achieve results meeting your objectives, answering your research questions and verifying or falsifying your hypothesis?**
* What intermediate results are to be achieved in terms of OVIs, QQT, SMART?
* What milestones (decision points) are important and what additional milestones would help you to monitor your progress?
* At which time verifiable results should have been achieved for EACH of the work tasks defined?

The PERT (Programme Evaluation and Review Technique) is a graphical representation for highlighting the connections among the single Work Tasks defined. These should indirectly reflect the periods which are defined in the Gantt chart.

Use the given templates in Blackboard or design your own charts. Additionally, structure the developed work packages (WP) and design a PERT diagram to show interconnections between WPs and single tasks (time: 30 minutes).

## Results

A Gantt chart and a PERT diagram for the I3 project.

## Further steps

Integrate your findings in GitLab.