1. Introduction
    - existing problem in field of your interest
    - goal (very specific and measurable)
    - objective function
        - $f(u1, u2, \dots, un, p1, p2, \dots, pn) \rightarrow \min/\max$,
        - where
        - u1 , u2 ,... , un – control variables
        - p1 , p2 ,... , pn – variables you cannot control

      Example:

        - $e(ep, layers, ir, N\ pic) = N\ cor - N\ incor \rightarrow \min$,
        - where
        - e – picture classification error
        - N cor – correctly classified picture number
        - N incor – incorrectly classified picture number
        - ep – number of epochs
        - layers – number of layers
        - ir – image resolution
        - N pic – training set elements number
    - tasks you need to solve in order to achieve your goal
2. Approach for solution
    - Approach for solution should describe
    - detailed description of the processes (IDEF0);
    - *detailed uncertainty description (if you have any);

❖ Situation uncertainty – when the system does not have enough data about current situation
❖ Algorithm uncertainty – when the system does not have the algorithm for input data handling. (a command which does not exist in the code)
❖ Model uncertainty – when system does not have a model of object behavior. (when the equipment was changed (modernized) and the new one was not formalized yet.)

    - general algorithm for the solution;
    - components needed for the solution (with argumentation);
        - NN, Formula (you might have this), KB, Database, Server/Client
    - components interaction schemes.
        - Swimlane Diagram and/or Sequence Diagram
3. Application development
    - Application development should include:
    - Step-by-step detailed description of each module
    - The most important code listings (very short blocks, the complete code will be added in the appendices)
    - User interface (forms, pages, console…)
    - Output data / messages screenshots
4. Conclusion
    - Relevant, honest results
    - what you managed to successfully implement;
    - what you did not manage to successfully implement;
    - Understandings, which you have got during this work
    - Plans about how you are going to use these results for future developments
5. Appendices
    - Complete codes, References, etc.