

TIES 4911 (2025): Guidelines for the Task 0

Names of your group members:



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The task is meant for the groups of two/three persons.

Task 0-1: Sub-task is individual. Research the latest (e.g. last 3 years) AI related innovations (ideas/concepts, services, products, etc.) and prepare comprehensive summary/description of chosen “item” with corresponding slides (including illustrations).

Task 0-2: Group-work sub-task. Choose one (or several) preferable domain(s) (for example healthcare, education, retailing, transportation, sport, security, industry, etc.), and write an essay on applicability and use of Artificial Intelligence (AI) in general, and Deep Learning (DL) in particular, for the chosen domain(s). Investigate the topic (simply google the corresponding information); collect the use-cases, information about innovative ideas and elaborated products/services, techniques and approaches of AI and DL applicable for the domain solution(s), collect information and links to available relevant datasets, etc.

Turn on your imagination and brainstorm about (try to innovate) some useful own solution/idea within the domain(s). Suggest suitable/relevant techniques and approaches to apply for corresponding implementation of this idea.

Based on the essay, prepare PowerPoint slides to present your findings during the Demo session (duration about 10-15 min per group).

Make self-evaluation of the group work with respect to a personal contribution of each member and distribute 100 points among team members:

Name	<member name 1>	< member name 2>	< member name 3>
Points			

Files to include in the demo results (archive file [ties4911-task00-\(your_surnames\).zip](#)):

- *Task0-instructions.doc (this file), (submitted individually)*
- *Doc file with essay (submitted by one of the team members)*
- *PowerPoint presentation with both: the group-work sub-task and the individual sub-tasks (submitted by one of the team members)*

Send the results as an archive to lecturer (oleksiy . khriyenko @ jyu . fi) before the deadline (end of 01.05.2025). It is always preferable to place the file on some of the online storages and provide a link for downloading.

Be ready to present and comment your results during the Demo-0 Session. Be sure that you have all the necessary adapters to connect your computer in the classroom (if applicable).