

Exam assignment TIK4021 – Spring 2023

- One week home exam / individual written assignment.
- The assignment has two parts, you are expected to answer both.
- Total word length for the entire exam: 4000 - 5000 words, everything included (front page, list of references, etc.). Max length 5000 words.
- Part 1 should be around 3000-4000 words. This part of the assignment weights approximately 75% of the grading.
- Part 2 should be around 500-1000 words in total. This part of the assignment weighs approximately 25% of the grading.
- ESST students must write in English, TIK students may choose between English and Norwegian.

Part 1 – Essay

Write an essay where you apply innovation theory from the course onto your case from the practice module. Take as a starting point the case challenge and your solution to it and use relevant course literature to conceptualise and discuss the case. Feel free to elaborate upon or make changes to the solution (from the group work) you presented on Thursday May 4th. The main point with this assignment is for you to show that you are able to apply theory onto an empirical case, so make sure that the empirical part does not become too long, i.e. allow enough space for theory and discussion of this onto the case. The discussion of the case through the conceptual / theoretical lenses is the most important part.

- a) Present the case, its challenge and context.
- b) Present your innovative solution and how it may change or supplement existing solutions and services.
- c) Discuss what type of innovation this is and how it can cause change – e.g. to established practices, solutions, technologies, business models or value chains.
- d) Reflect on potential preconditions, drivers and barriers for implementing this innovation. Also, consider the potential negative effects and ethical risks associated with your innovation.
- e) Present and apply relevant innovation theory from the course which can help shed light on the dynamics of the case and discuss how the case can be illuminated and understood through the theoretical lens(es) applied. You are free to choose which literature to use; whether it be management of innovation literature (e.g. dynamic capabilities), or more systemic approaches, e.g. Innovation Systems (IS), Multi-Level Perspective (MLP), Mission-Oriented Innovation Policies (MOIP), or a mix of various perspectives. Try to apply two frameworks/concepts/theories onto your cases.

Part 2 – Reflection note

Write a reflection note that addresses the following elements:

- a) Your outputs: Reflect upon what you have learnt in the course – what new insights have you gained that you can benefit from in your future work? Also, consider whether and how what you have learnt in the course has made you change your mind in some way or another.
- b) Course contents: Reflect upon the relevance of and the connections between the modules in the course. What did you find particularly interesting, and what did you find confusing, or less relevant? If you were in charge; what changes would you have done to the course and/or what new elements would you have introduced, and how could this add value to the course?

