

Innovation Competition Faculty of Engineering for Master and Bachelor thesis 2024

We are excited to announce the launch of the Faculty of Engineering Innovation Competition for Master and Bachelor Thesis 2024!

This competition aims to inspire you, the Faculty of Engineering (IV Fakultet) students to engage in creative thinking and innovation, while also providing you with an opportunity to showcase your ideas and talents.

The competition is open to **all Master and Bachelor students at NTNU Faculty of Engineering in their last year of study** and it covers all topics. We encourage all students to participate.

How to participate:

Based on your Master or Bachelor thesis you submit a written **Innovation Outline** of your idea or solution, along with any supporting materials or data, using **the Innovation Outline temple below** (3-5 pages). You will submit this document together with the thesis as for the instructions below.

Please keep in mind that you still need to submit your thesis (Master or Bachelor) through the NTNU system as mentioned in the education programme that you are following.

Two steps application:

1. Pre-register your participation and idea – link <https://forms.office.com/e/Q11QPLZPK5>. We want to see your short idea first. You will get an answer if you can pursue with the preparation of the document or not in 2 days after the submission. Latest to send the form is May 21st.
2. If accepted for the competition – send your Master/Bachelor thesis together with the Innovation Outline (English or Norwegian) to mara.diaconu@ntnu.no with the **title email: Innovation Competition 2024_(your name)**

Deadline to send the Innovation Outline + the thesis as in step 2: **1 June 2024**

Winner announcement

Winners will be announced during August 2024 and they will receive attractive prizes and recognition for their winning entries. See here the 2023 winners: <https://www.ntnu.edu/lets-talk-innovation/news>

Master prizes: First place: 30.000NOK, Second place: 20.000NOK, Third place: 10.000NOK

Bachelor prizes: First place: 20.000NOK, Second place: 15.000NOK, Third place: 10.000NOK

In addition to the competition, we will also be providing students with access to resources and support to help them develop their ideas and refine their submissions. We encourage students to collaborate and work together in groups to develop innovative solutions to complex problems.

If you need further information contact Mara Diaconu mara.diaconu@ntnu.no.

Innovation Outline Template

(all five sections are mandatory, total document 3-5 pages, deadline 1st June)

Aim and purpose of the solution/idea proposed (300 words, ½ page)

Innovation and novelty of the solution/idea (300 words, ½ page)

Technical description of the solution, include features, new inventions, advantages and improvements to the existing solutions (if the case) (300 words, ½ page),

Application areas and benefits (who are the users, where it can be applied, cross-disciplinarity). Include also the benefits for the users and the society. (300 words, ½ page)

Impact and market – what is the unique value proposition, market value, scalability. Include a short market analysis and competition advantages. (300 words, ½ page)

Evaluation Criteria:

The proposals will be evaluated by a panel of experts based on the following criteria:

	Evaluation Criteria
Writing	Demonstration of the understanding of field selected
	Assessment of challenges and how these will be addressed
	Quality of the project/work (writing, easy to follow, design, graphics)
Innovation	Why is the idea innovative? - Degree of innovation assessment
	Originality and creativity (innovative thinking, thinking outside the box)
	Soundness of the concept, and credibility of the proposed solution - Can it be implemented tomorrow?
	Market potential showed/described
Sustainability	Show how the idea will improve the field/society. What are the benefits of your idea/research?
	Show how the idea be managed, delivered and sustained?
	Show the impact of the impact and scalability
	Contribution to achievement of UN sustainable development goals