Application for the establishment of the Inclusive Innovation Skills Hub
Wroclaw University of Technology

NOVA Hub: Technology and Entrepreneurship Skills Platform for All Students

Proposal Description

The present application is aimed at establishing the NOVA Inclusive Innovation Skills Hub; a dedicated workshop and learning unit that is expected to provide students from all fields of study including the non-technical disciplines with practical technological knowledge and skills. The aim is to establish a platform where students of different disciplines can come and acquire both theoretical and practical knowledge on various creative technologies as well as acquire problem solving skills that will enhance innovation and entrepreneurship.

The Hub would be based on practical training, which means that every student regardless of the field of study would be able to acquire practical skills in such areas as 3D printing, basic programming, electronics prototyping and product development even if they have no connection with technology or engineering. Thus, the Hub would enable business students to be more confident when dealing with technology, design students to grasp the concept of smart product development and engineering students to be able to assess and present their ideas in a business setting.

Purpose and Objectives

The Inclusive Innovation Skills Hub would benefit the university in the following ways:

To ensure that all students in the university are exposed to basic innovation skills that are crucial in the current world and for creating businesses.

To foster interdisciplinary collaboration, where students from engineering, business, humanities, design, and other departments work together on real projects that combine their diverse perspectives.

To create an inclusive space where students who do not have a technical background can safely explore technologies like 3D printing, IoT, coding, and digital design, without fear of judgment or exclusion.

To develop a structured program of workshops, internal competitions, and project challenges that bring students together to tackle real-world problems using creativity and technology.

To actively fuel curiosity and creative competition, the Hub would host regular internal competitions open to all faculties. These challenges could focus on campus improvements, sustainability, smart technology integration, product design, or digital services, with mixed teams from different academic backgrounds encouraged to form. Competitions would focus not only on the final product but also on the creative process, problem analysis, and practical application of learned skills.

These competitions would also act as a low-pressure platform for students to test their ideas, helping them build confidence in both technical problem-solving and interdisciplinary teamwork — two qualities in high demand in both corporate innovation teams and startup ecosystems.

Connection to Education and Popularization of Science

The NOVA Inclusive Innovation Skills Hub helps make technology and innovation a part of every student's education, no matter what they're studying. It gives students hands-on experience with things like 3D printing, programming, and product design, even if they've never worked with technology before. By working on projects together, students from different fields — business, design, engineering, and more — learn how to combine their skills, solve problems creatively, and get comfortable using technology in their future careers.

At the same time, the Hub helps make science and technology more approachable and less intimidating for everyone. Through workshops, team challenges, and friendly competitions, students get to see how technology can solve real-world problems and even improve life on campus. It's not just about learning technical skills. it's about making science feel relevant and open to anyone who's curious regardless of they're future engineers or not.

Conclusion

The NOVA Inclusive Innovation Skills Hub makes technology and innovation accessible to all students, no matter their field of study. Through hands-on workshops, team projects, and friendly competitions, students from business, design, engineering, and other fields can learn practical skills like 3D printing and programming while working together to solve real-world problems. By creating a space where anyone can explore technology in a creative and low-pressure way, the Hub helps make science and innovation feel relevant, exciting, and open to everyone. We are excited to take part in the creation in this space where students can turn their creative ideas into real life solutions.