

CERTIFICATE OF PARTICIPATION

Summer School NAWA GTUA

Olena Proniuk

Kharkiv National University of Radio-Electronics

Has successfully completed training in the areas:

- Design Thinking for Innovation in 21st Century
- Green Business Models
- Green Project Management 1
- Green Project Management 2
- Additive Manufacturing (3D printing) as a Part of Digital and Green Transformation of Production
- Methodology for Counting the Carbon Footprint

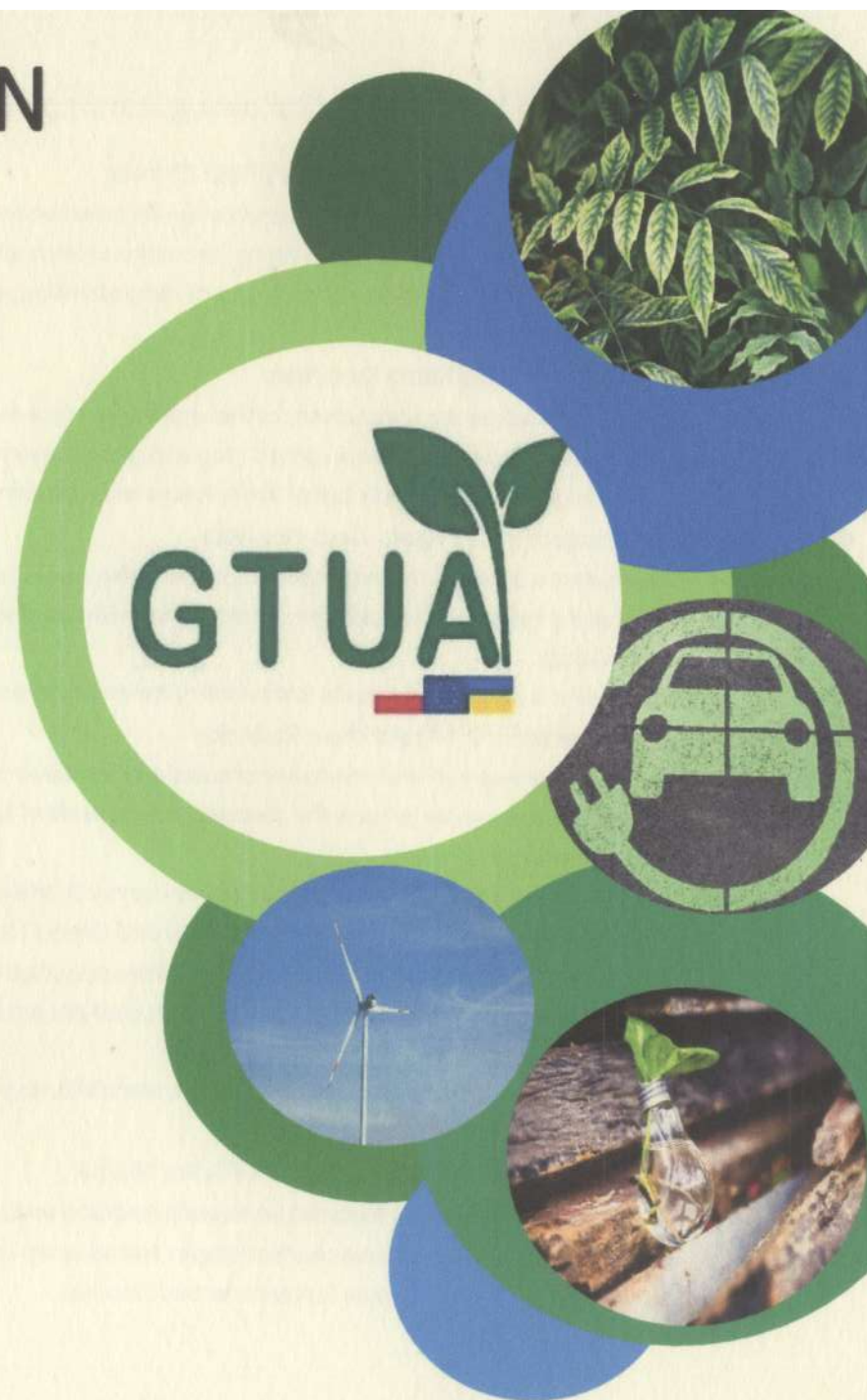
Organized in the framework of Project "Green Transition in Ukrainian Universities"

Project coordinator



Mariusz Mazurkiewicz

Issued by Wrocław University of Science and Technology



Holder of this certificate has achieved following learning outcomes

- 🍃 **Design Thinking for Innovation in 21st Century / Yash Chawla**
 - The student is oriented to problem identification and creative problem solving.
 - The student is able to define and re-define innovation challenges by asking the right questions
 - Student knows implementation of each step of design thinking process and ideation techniques, to achieve innovative results.
- 🍃 **Green Business Models / Anna Maria Kamińska**
 - Student can analyze the environment of the organization including environmental changes
 - Student knows how to prepare a context map and green business model canva.
 - Student is prepared to include sustainability issues when planning a business
- 🍃 **Green Project Management 1 / Agata Klaus-Rosińska**
 - The student is aware of the importance of sustainability issues in contemporary project management.
 - The student knows how to apply the concepts and methods of sustainable project management, including the PRISM methodology.
 - The student is able to incorporate sustainability issues into project management.
- 🍃 **Green Project Management 2 / Agata Klaus-Rosińska**
 - The student is aware of the importance of sustainability issues in contemporary project management.
 - The student knows how to apply the concepts and methods of sustainable project management, including Sustainable Management Plan.
 - The student is able to incorporate sustainability issues into project management.
- 🍃 **Additive Manufacturing (3D printing) as a Part of Digital and Green Transformation of Production / Iryna Smolina**
 - The student knows the benefits and limits of additive manufacturing in terms of green transformation.
 - The student has a general understanding of which products are suitable for 3D printing (from the environmental point of view) and why.
 - The student is aware of the potential of additive manufacturing in the green transformation of modern production companies.
- 🍃 **Methodology for Counting the Carbon Footprint / Anna Woźna**
 - Student is aware of carbon footprint produced by industry and can define what are the components of emissions
 - Student is aware about different methodologies and norms to count the carbon footprint
 - Student is able to count carbon footprint for basic process

