

CERTIFICATE OF PARTICIPATION

Summer School NAWA GTUA

Oleksandra Chyhryn

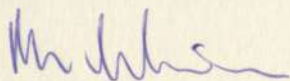
Kharkiv National University of Radio-Electronics

Has successfully completed training in the areas:

- How to Create Happy City
- Design Thinking for Innovation in 21st Century
- Sustainable Design Workshop
- Green Business Models
- Smart Cities: Urban Planning, Management & Technologies

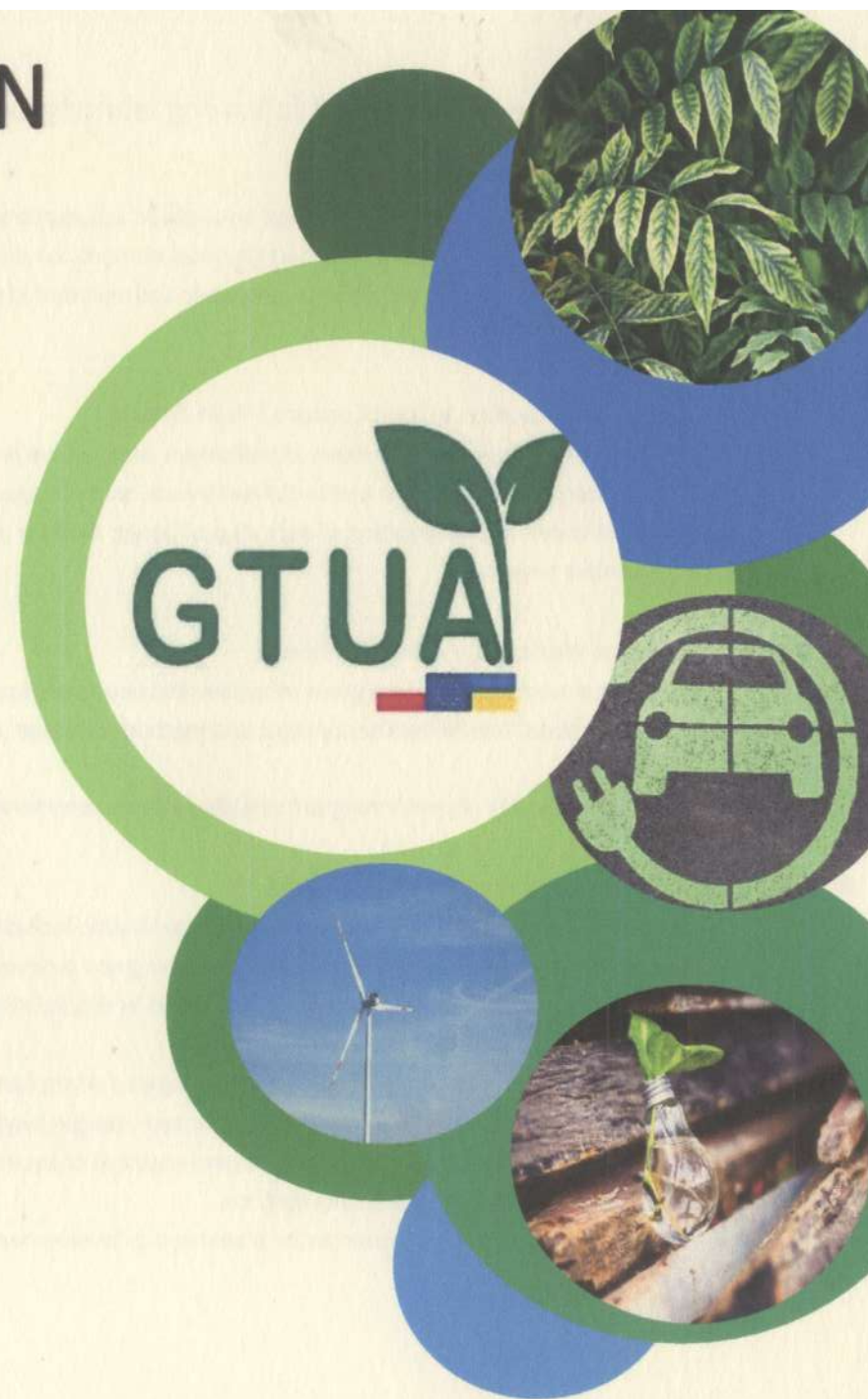
Organized in the framework of Project "Green Transition in Ukrainian Universities"

Project coordinator



Mariusz Mazurkiewicz

Issued by Wrocław University of Science and Technology



Holder of this certificate has achieved following learning outcomes

How to Create Happy City / Anna Brdulak

- The student is familiar with the concept and related assumptions of cities: resilient and smart ones.
- The student knows how to apply smart city management concepts and methods in practice when designing city spaces.
- The student knows the current socio-economic and environmental trends that affect the current directions of urban development.

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.

Sustainable Design Workshop / Adam Dzikowski

- Student is aware of the importance of socially and environmentally responsible innovation in modern companies
- Student knows how to use the concepts and methods of design thinking and design management in innovative processes
- Student is capable of performing sustainability related considerations in design processes

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

Smart Cities: Urban Planning, Management & Technologies / Anna Lamek

- Student is aware of the importance of modern technologies engaged in smart cities development
- Student knows how to apply the concepts and methods of smart cities management, including key challenges and main dimensions of urban infrastructure systems
- Student is able to find data sources for planning the development of smart cities

