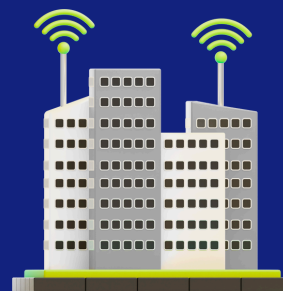# ERASMUS+ BLENDED INTENSIVE PROGRAMME

IoT and Industry 5.0 - Human-Centric Digital Transformation
BIP ID: 2025-1-PL01-KA131-HED-000315299-1

Host Institution: State University of Applied Sciences in Głogów (**PANSG**)**, Poland**
Coordinator: Prof. Marcin Witczak

Organizational Committee: Anna Akielaszek-Witczak, Dr. Marcin Pazera, Prof. Bartłomiej Sulikowski

Partner Universities:
- **University of Ferrara** (Italy)
- **University of Applied Sciences Ravensburg-Weingarten** (Germany)

Target Group:
- **Students:** Bachelor, Master, PhD in Control Engineering, Robotics, Computer Science, Business Economics
- **Staff:** Academic and technical staff interested in IoT and Industry 5.0
- **Group Size:** Max 20 participants

Learning Objectives:
- Explore KIS.ME IoT platform for smart manufacturing/logistics
- Develop skills in digital twins, rule-based automation, KPI dashboards, and FLEX scripting
- Understand human-centric automation, AI integration, and ethical/sustainable production

Programme Timeline:
Total Workload: 5 ECTS credits for students
Virtual Component Part 1: 15–30 April 2026
Physical Mobility in Głogów: 4–8 May 2026
Virtual Component Part 2: 11–30 May 2026

Learning Materials:
- Main Textbook: Springer Open Access Guide
- Video Tutorials: KIS.ME Support
- Use Cases & Success Stories: Application Examples

Recognition:
- **Students:** 5 ECTS credits
- **Staff:** Certificate of participation

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Programme Activities:
Virtual Part I: Kick-off, lectures, quizzes, handbook study, case studies
Physical Mobility: Lectures, lab exercises, soft skills training, hackathon, cultural visits
Virtual Part II: Group projects, reporting, sprint meetings, final presentations

Facilities:
IoT & Industry 5.0 Lab (**Room 217**)
- Robotic manipulators, VR systems, KIS.ME kits, MATLAB, Inventor, Autocad
- Hands-on experience with KIS.BOX, KIS.LIGHT, KIS.IO

Business Economics Lab (**Room 216**)
- Dual-monitor PCs, graphics tablets, HDMI matrix switch, Office tools

Training Lab (**Room 211**)
- Multimedia touch screen, flexible layout for workshops

Sample Project Topics:
- Smart Desk Occupancy Monitor
- RFID-Based Access Control
- Mini Warehouse Inventory Tracker
- Assembly Line Efficiency Monitor
- IoT-Enabled Classroom Feedback System
- Digital Twin Floorplan Visualization

Programme Timeline: Accommodation Options
Odra Nature & Recreation Center "Neptun" ~40€/night/double room
Qubus Hotel (Special BIP Offer) ~70€/night/double room

Why Join?
- International collaboration
- Hands-on IoT experience
- Cutting-edge Industry 5.0 tools
- Cultural exchange & networking
- Boost your digital and transversal skills!

WELCOME!

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