Dear Students,

Welcome to Module 6: **Smart Buildings – Modern Technologies and Systems Integration**

This module is structured into four key parts:

Part 1: The Concept and Importance of Smart Buildings in the Contemporary World

Part 2: Smart Readiness Indicators (SRI) of Buildings

Part 3: Energy Management and Its Role in Building Smartness

Part 4: Emerging Technologies and the Human Factor in Smart Buildings

Each unit includes learning materials designed to be self-explanatory and accessible, enabling independent study and reflection.

By the end of this module, you will have developed a comprehensive understanding of the concept of smart buildings, their historical development, and the technological and regulatory contexts in which they operate. You will gain insight into the European Union's legislative framework relevant to smart buildings, learn how to define and assess Smart Readiness Indicators, and explore key enabling technologies and their applications. Particular attention will be given to the integration of systems and the role of occupants in maximizing building performance and efficiency.

Before beginning your studies, please complete the attached self-assessment questionnaire. This exercise is intended to help you estimate your current level of knowledge regarding smart buildings. Upon completing the module, you are encouraged to revisit the questionnaire to reflect on your learning progress.

The estimated workload for the online component of this module is approximately **16.5 academic hours**. This will prepare you for the in-person sessions, where you will engage in group activities, discussion, and practical application of the knowledge acquired.

We wish you a productive and inspiring learning experience.

Here you can download the files from Part 1 in this module:

- Initial Questions of Smart Building

- Booklet Smart Building

- REGULATORY ERAMEWORK OG THE EUROPEAN UNION RELEVANT TO SMART BUILDING

- Examples of Smart Buildings

- Smart Building Seminar

For further information or to request additional teaching and learning materials, please contact Prof. Hrvoje Hucika at hrvoje.hucika@hep.hr

All available materials can be provided upon request to evaluators, educators, learners, and members of the wider public.