AN INFRASTRUCTURE APPROACH TO BUILDING AN IOT ECOSYSTEM FOR AGRICULTURE

Evgeni Valchev, Todorka Glushkova

Abstract. *The article aims to present an infrastructural approach to building IoT-based platforms necessary to optimize, rationalize and implement new technological solutions in the field of agriculture. The modeling and construction of such systems are necessary from the point of view of environmental friendliness, based on European and world standards, as well as reducing costs and providing an optimal habitat for plants and animals in the studied territory.*

Key words: IoT infrastructure, intelligent agriculture.

Acknowledgments

This study is supported by the project FP23-FMI-002 "Intelligent software tools and applications in research in mathematics, informatics, and teaching pedagogy" at the "Paisii Hilendarski" University of Plovdiv.

Evgeni Valchev[1],Todorka Glushkova[2],
[1,2] Paisii Hilendarski University of Plovdiv,
Faculty of Mathematics and Informatics,
236 Bulgaria Blvd., 4003 Plovdiv, Bulgaria
Corresponding author: glushkova@uni-plovdiv.bg