## **CONTENTS**

Michael Lvov, Ludmila Shishko, Irina Chernenko, Evgen Kozlovsky	
Visual Support of the Topic "Algorithms for Sorting and Searching" Course of Basic	
Programming	7
Mykhaylo Sherman, Yaroslava Samchynska, Mariya Sikelinda, Alona Yurzhenko	
Formation of Digital and Research Competences in the Training of IT Professionals in a	
Modern University	18
Mykola Doroshenko	
Learning the Fundamentals of Object-Oriented Programming with Visual C #	31
Olena Karabuta, Tamara Mandych and Oleksandr Lemeshchuk	
Electronic Dictionary of Sports Metaphors as an Instrument to Develop the Ukrainian	
Computer Lexicography	44
Katerina Niedialkova	
QR Coding Technology and Its Implementation in the Educational Process of Higher	
School	53
Yulia Nosenko	
Analytical Review of Knewton as a Platform for Personalization of Learning Content	65
Information about Authors	77
Summary	80