Digitization of the Education Process at a Technical University

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Keywords: computational experiment; research competencies; modeling; digital society; digital economy; digital ecology.

Abstract: The large-scale use of information and communication technologies in various sectors of the country's economy has predetermined a number of new directions for training scientific personnel capable of carrying out research in the digital sphere – application of dynamic models of objects, systems with artificial intelligence, decision-making methods under conditions of uncertainty and etc. In universities, training for the digital economy is carried out on the basis of the Federal Educational Standards (FSES). The novelty of the new requirements for university graduates is that they have research competencies that allow them to apply knowledge, skills and abilities based on digital technologies. In the paper, the formation of research competencies is the result of using an activity-based approach to obtaining digital information.