Abstract

This master's thesis is devoted to the training courses development based on online courses platform-Open edX. This online platform provides great opportunities with massive interactive participation using e-learning technologies and open access via the Internet. This platform was deployed on Ubuntu 16. A real studying course was created. In this work, lecture structure and video materials on the subject "Digital Signal Processing" was worked out. In addition, deployment technical aspects of the course were considered. Studied all aspects of the Open edX platform, developed an algorithm for creating courses, studied the tools Open Response Assessments.