

Overview of Educational Kit and Development of the Kit for Learning the IoT.

Abstract. The primary purpose of this paper is to overview of Education Solutions for IoT and develop of proposals for the improvement of IoT educational kits. The study draws analysis of current conditions of educational IoT sphere, a comparative analysis of educational products used for teaching of schoolchildren in the sphere of modern technologies in Russia. With that the article describes the architecture of the software and hardware platform (a learning kit) for learning IOT, and shows the developed PCB for the hardware part of the kit. Moreover, this thesis reviews methods and technical instruments employed to design software and hardware appliance.

Keywords: IoT, Educational, Electronic kit, Learning IOT.