

Building laboratory experiments for the course Simulation of Telecommunication Systems

Phung Thi Bich Lien

Abstract: This topic aims to meet the need for improving educational quality in the field of telecommunications technology, particularly by providing a flexible practice environment for students. Through the development of experiments based on system simulation, the main objective of the topic is to create a platform that allows students to directly experience the process of designing and deploying complex telecommunications systems. The research method combines theory with experimentation to ensure high applicability in teaching. The expected outcomes of the topic not only enhance students' problem-solving skills but also provide useful solutions for schools and businesses in implementing telecommunications technology training programs.

Keywords: System simulation, Telecommunications, Laboratory experiment, Skill training, Transmission technology