

Design of WDM optical information system using Optisystem tool

Nguyen Thi Giang

Abstract: This topic focuses on designing and implementing a Wavelength Division Multiplexing (WDM) optical information transmission system using the Optisystem tool. The problem is posed to meet the demand for enhancing data transmission capacity in modern network environments, while ensuring reliability and efficiency in system operation. Through a process of theoretical research combined with experimentation via simulation using Optisystem, the topic aims to contribute a new technological solution to the optical transmission industry and enhance knowledge about WDM for researchers and students.

Keywords: WDM, Optisystem, optical transmission system design, network simulation, transmission capacity enhancement