

# **THE EFFICACY OF USING NETWORK SIMULATION TOOL IN LEARNING SWITCHING AND ROUTING CONFIGURATION**

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Switching and Routing is a ubiquitous topic in a Cisco Curriculum. Most IT and Computer Engineering Programs integrate Switching and Routing in preparation for taking up the Cisco networking certification. The absence of physical Cisco equipment may debilitate the learning process. A network simulation tool called packet Tracer was used in this study. The researcher used quantitative and qualitative methods to evaluate the tool in learning Switching and Routing. The respondents came from two sections of students taking up Application Development. The comparative scores of taking a laboratory activity and a quiz with and without a network simulation tool denote a disparity on the numbers.