

# **Building some security solutions for the IT&Communication; University network system using Microsoft Forefront TMG 2010**

**Ta Van Hung**

**Abstract:** In the context of today's cybersecurity and technological development, the network systems of university computer science and technology colleges face increasingly severe security challenges. This study aims to propose solutions to this problem and explore how to deploy Microsoft Forefront TMG 2010 on campus networks to enhance security. By combining theoretical research with practical application, a comprehensive protection strategy is designed and implemented based on an in-depth analysis of existing security measures. The effectiveness and feasibility of the proposed scheme are verified through experiments, providing an important reference for ensuring campus network security.

**Keywords:** Network system security, Microsoft Forefront TMG 2010, College of Computer Science and Technology