

Development of Workbook to Enhance Students' Competency in Computer Networking Fundamentals

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ABSTRACT This study focused on the development of a workbook to overcome students' learning difficulties and to strengthen their competency in a computer networking course in the implementation of competency-based training at Camarines Sur Polytechnic College. The difficult networking skills were identified, a workbook was created using Backward Design, and an assessment of the effectiveness of the workbook in the learning process was carried out. A paired sample t-test on the findings of the pre-test and post-test showed a substantial increase in student performance. Post-test results showed that students had a high degree of competence with a passing rate of 98.6 percent. Moreover, with a grand weighted mean of 4.51, the workbook was found to be acceptable in terms of content, working example, and assessment. These results showed that the developed workbook was able to enhance students' competency in computer networking fundamentals.