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Teachers' ICT Skills and ICT Integration in the Classroom: The Case of Vocational and Technical Teachers in Malaysia

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ABSTRACT

This study was to determine the levels of ICT skills and ICT usage in the classroom among technical and vocational teachers in Malaysia. The data of this study were collected using quantitative techniques, whereby the questionnaire was administered to 329 technical and vocational teachers who were teaching engineering subjects in Malaysian technical and vocational schools. The questionnaire included items related to teachers' ICT skills, ICT use and their demographic factors. The study has shown that teachers' ICT skills were at moderate levels, and that a vast majority of teachers who participated in this study were moderate users of ICT in classroom teaching. There were significant differences of teachers' ICT skills as a function of demographic factors: gender, age, years of teaching experience, and type of ICT training. Also, there were significant correlations between ICT skills and ICT integration in classroom. Teachers' demographic factors (age, gender, teaching experience, except level of education) did not influence ICT integration in classroom.

KEYWORDS

Technical and Vocational Education, ICT skills, Technical and Vocational Teachers, Technical and Vocational Education in Malaysia

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