Abstract

Concept Map (CM) is a visual knowledge representation (KR) tool that represents concepts and the relationships among them. A concept is referred to the perceived regularity of objects or events. The concepts are used to form the nodes of the map and the relationships among these concepts form the edges. This tool provides a visual representation of a knowledge which will be very much useful for humans to understand better. This paper proposes a novel approach that analyzes the role of CM in knowledge assessment. The participants have been introduced with concept mapping technique and asked to map their understanding of the topics covered during the session. The results obtained after analysis are found to be encouraging to proceed for further studies.
Assessment of Understanding using Concept Map: A Novel Approach


Index Terms

Computer Science

Information Sciences
Keywords

Concept Map  Knowledge Representation  Assessment