

## **The effect of online discussions on student's cognitive and metacognitive development. : البحث الثالث**

### **Abstract:**

Blogging is one of the methods of interaction that allows the exchange and discussion of ideas within social learning environments through collaborative discussions. These discussions allow each student to contribute ideas and exchange them with peers. However, the existing accounts fail to resolve the contradiction between online discussions and student's cognitive and metacognitive development. Considering this, this study aimed to investigate how students interact and tackle skills or competencies at their own rate in an online student-centered environment. Among this research questions are: How the perceived social interaction linkages of an individual are positively associated with their knowledge sharing intensity? How comprehensive will comment socially, cognitively and metacognitively be a part of weekly electronic communications lessons? What level of cognitive and metacognitive awareness in their blog post, surface or in-depth awareness and understanding? This study used a convenience sample of 200 first year Education Technology students at the Faculty of Specific Education. The research data in this study is drawn from Henri's model analysis for online discussions. The results of this study show that the environment is a central point that is built through the nodes that deal with a specific topic (the blog) by linking the different comments and links are formed, so the ability to see the links between different topics, ideas and discussions is one of the most important principles of network learning. Moreover, there were high rates of knowledge sharing, cognitive skills as well as metacognitive skills.