**The role of the Episodic buffer of the working memory in identifying of the Gifted students**

**Abstract:**

The present study aimed to investigate the role of the episodic buffer in the identifying of the gifted students, the sample study consist of (71) students from elementary school distributed into two groups: gifted students (N=30) and ordinary students (N=41). The using of (T.test) showed a difference statistically significant in favor of gifted students in terms of performance on the test of episodic buffer, which refers **to the ability of this component to distinguish between ordinary pupils and talented**, therefore researchers recommend to adopt the episodic buffer as tool to detect the gifted students. However, the result did not show any significant gender differences based on Episodic buffer efficiency.

**Keywords** : Giftedness- Working memory- Episodic buffer.