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**Abstract**

The brain continuously receives information through various stimuli and processes this information through cognition. Patients suffering from short term memory loss (e. g. in Parkinson's disease, seizures or epileptic attacks), lose a short episode of memory. The originality of the research lies in retrieving back any lost cognition due to damage/disease by presenting context-specific sequence of images to the subject under study. The approach proposes mapping the lost memory episode to a corresponding set of stored ranked images which can help regain memory loss. A framework is presented for implementation of context determination through relevance feedback. A comprehensive overview and analysis of existing techniques is also presented for context based retrieval of images.

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### Index Terms

Computer Science

Pattern Recognition

### Keywords

Context Content Relevance Feedback Image Ranking