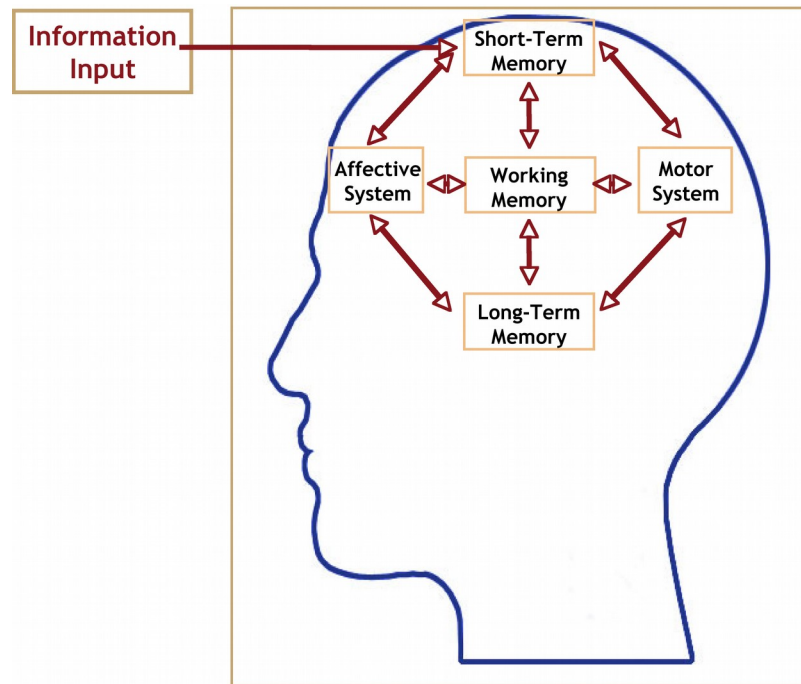


## Q.What the new learning is?

New thing I've learnt from this paper is how the human memory system adapts new concepts. How human memory system learns new concepts and how does it stores in short-term and long-term memory.

The paper has shown the memory system of human brain and intraction of inputs from external environment.



It shows how knowledge become a part of long-term memory with the help of short-term memory and working memory. It shows how the external inputs processed in the working memory with the help of knowledge that is in the long-term memory. But the limiting feature of working memory is that it can process only limited amount of input (about 2 to 3 units). This means that relationship among the concepts limited to 2 to 3 units.

For example, if a person has given a list of 12-15 words to memorize in few seconds it will hardly recall 5-7 words but if words are already known like technical words or words having some relationship it can recall more 10-13 words. So the learning (knowlege) will retain in long-term memory if it is learned meaningfully. Rote learning will provide basic knowlege but it will not retain in long-term memory for long. However, meaningful learning will remain in long-term memory but it requires basic knowledge from the long-term memory that acts as a base knowledge to integrate with the new knowledge.

**Q. Why is this learning significant with respect to your understanding of Concept map? Give evidences to support this claim.**

Building of concept maps largely depends upon learning process of the individuals. So the students who have rote mode learning practice would face great difficulty in creating concept maps. It is not easy to change the patterns of learning of students from rote mode to meaningful mode.

While the concept map helps students also have to taught about the brain mechanism and knowlede organisation inside the brain.

For example, a survey done on Harvard graduates asking each “Why do we have seasons?” . It was found that 21 out 23 could not explain that why we have seasons, a topic that is repeatedly taught in schools. They are transferring knowledge from one context to another, but incorrectly. This is observed in many misconceptions and the only solution to ovecome this misconception is to help learner to learn meaningfully and using concep maps can be very helpful.