Abstract

Cognitive Science is the interdisciplinary study of concepts and theories related to the fields of psychology, neuroscience, philosophy, computer science, artificial intelligence, humanities and linguistics. A lot of research has been done in the area of machine learning and artificial intelligence which aims to inculcate human thinking, sensing and decisive capabilities into machines. However, such systems lack in various aspects of human behavior and intelligence such as emotions, intuitions, understanding of linguistics and learning acquired from different happenings and incidents occurred in the past. Cognitive science is an emerging field which intends to fill the existing gap in this area to build smarter systems. This paper discusses the advancements in the field of cognitive science, various models and their applicability to different problem domains. The paper also suggests framework of HAICS, a computer system having human alike intelligence.

References


Index Terms

Computer Science
Information Science

Keywords

Cognitive Science  Intelligent Systems  Artificial Intelligence  Knowledge
Representation
Neuroscience.