



### Introduction to Cognitive Psychology

Humanities and Social Sciences

**Instructor Name:** Dr. Naveen Kashyap

**Institute:** IIT Guwahati

**Department:** Humanities and Social Sciences

**About Instructor:** Naveen Kashyap, Ph.D is an Associate Professor of Psychology at the Indian Institute of Technology Guwahati. His research interests are sleep and human cognitive processes. Dr Kashyap has been teaching courses like cognitive psychology, introduction to psychology, human memory, advanced cognitive process and research methodology to UG and PG students of IITG Guwahati for the past 10 years.

**Pre Requisites:** : NA

**Core/Elective:** : Elective

**UG/PG:** : UG

**Industry Support** : NA

**Course Intro:** : One of the most puzzling fact for humans over the centuries has been the understanding of human behavior. Understanding and predicting human behavior will help humans in exerting more control over situations. The bases of human behavior are the cognitive processes underlying them. The present course is an attempt to discuss and understand the basic cognitive processes that guide human behavior. The knowledge from the course will be useful in tackling everyday problems and attaining optimal solutions. Additionally, we can use knowledge about human cognitive systems in designing sophisticated Artificial Intelligence (AI) systems that learn from mistakes and make our lives a lot easier to live.

#### COURSE PLAN

SL.NO	Week	Module Name
1	1	History and the study of human cognition
2	2	Theories and Research in human cognition
3	3	Object Perception and Recognition
4	4	Attentional Processes and cognition
5	5	Encoding and retrieving memory traces
6	6	Memory of general knowledge
7	7	Concept formation
8	8	Visual and Spatial memory
9	9	Human language skills
10	10	Thought process and Problems solving
11	11	Reasoning
12	12	Decision Making