



# INTRODUCTION TO COGNITIVE PSYCHOLOGY

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IIT Guwahati

**TYPE OF COURSE** : Rerun | Elective | UG/PG

**COURSE DURATION** : 12 weeks (24 Jan' 22 - 15 Apr' 22)

**EXAM DATE** : 24 Apr 2022

**INTENDED AUDIENCE** : UG/PG/PhD students

## **COURSE OUTLINE :**

One of the most puzzling fact for humans over the centuries has been the understanding of human behavior. Understanding and predicting human behavior will helps 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.

## **ABOUT INSTRUCTOR :**

Prof. Naveen Kashyap, Ph.D is as 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, consumer psychology, advance cognitive process and research methodology to UG and PG students of IITG Guwahati for the past 10 years.

## **COURSE PLAN :**

**Week 1:** History, Theory and Research in Human Cognition

**Week 2:** Object Perception and Recognition

**Week 3:** Attentional Processes and cognition

**Week 4:** Memory Introduction

**Week 5:** Long Term Memory

**Week 6:** Memory of general knowledge

**Week 7:** Concept Formation

**Week 8:** Visual and Spatial Memory

**Week 9:** Human language skills

**Week 10:** Thought process and Problem Solving

**Week 11:** Reasoning

**Week 12:** Decision Making