INTRODUCTION TO COGNITIVE PSYCHOLOGY

PROF. NAVEEN KASHYAP
Department of Humanities and Social Sciences
IIT Guwahati

TYPE OF COURSE : Rerun | Elective | UG/PG
COURSE DURATION : 12 weeks (18 Jan’ 21 - 09 Apr’ 21)
EXAM DATE : 25 Apr 2021

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 :
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 IIT 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