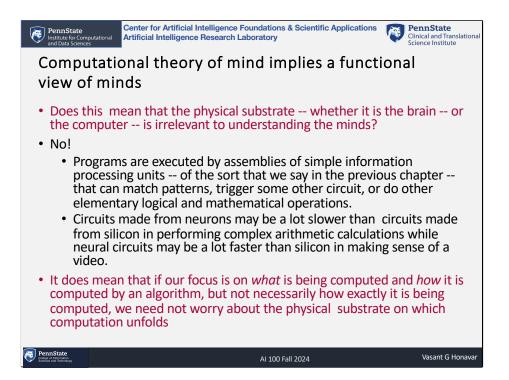
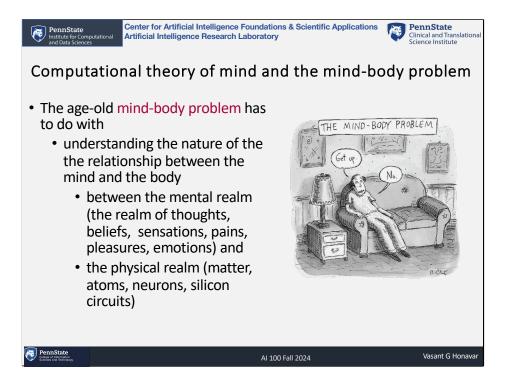
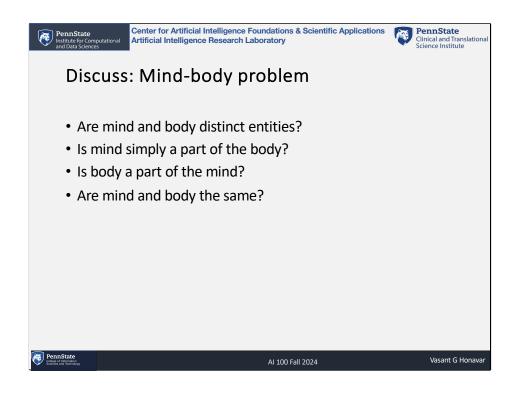
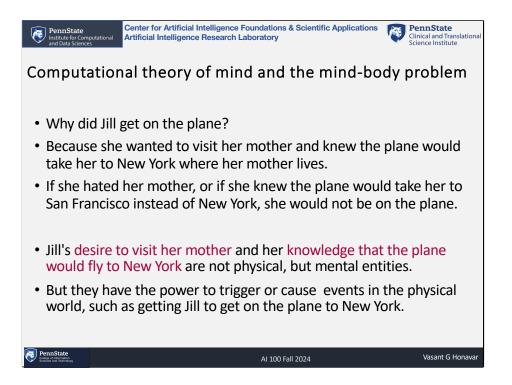


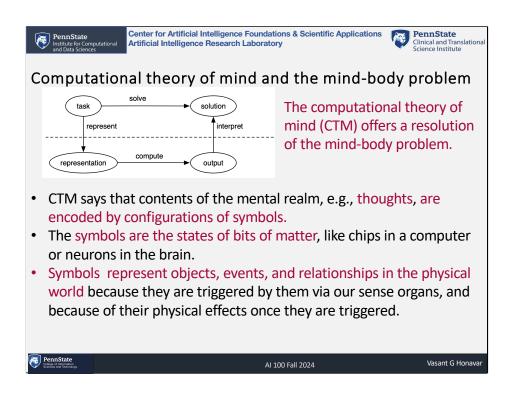
		I Intelligence Foundations ce Research Laboratory	Clinic	an State cal and Translational nee Institute
Computational theory of mind implies levels of analysis				
Functional view of minds implies levels of analyses				
Computation	LEVELS	What	Flight	
Algorithm	2	How	Aerodynamics - lift,	thrust
Implementation	3	How exactly	Birds, Airplanes, Dro	nes
PennState Charge of Mathematics Exceptions And Technology		AI 100 Fa	all 2024	Vasant G Honavar

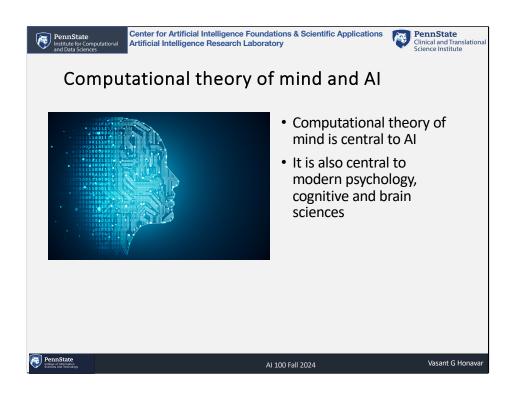


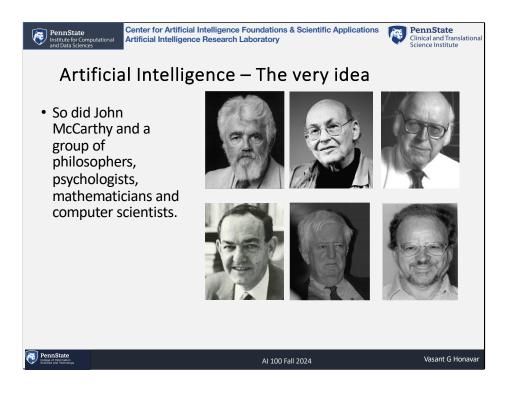


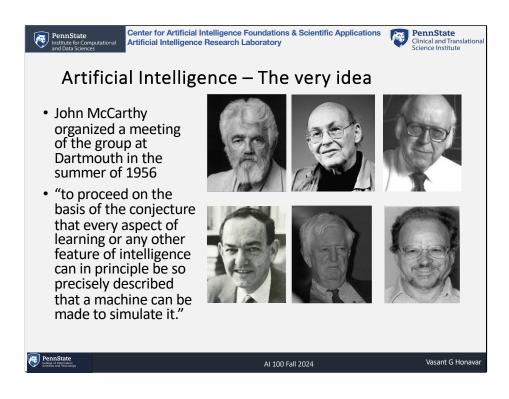












PennState Institute for Computational and Data Sciences	ennState nical and Translational ience Institute			
A brief (recent) history of Al				
Birth of artificial intelligence (1956)				
 Early demonstrations of artificial intelligence and the publication of Computers and Thought (1959) 				
• 1960-1970				
 Un-tempered optimism fueled by early success on some problems thought to be hard (e.g., theorem proving) is tempered by slow progress on many problems thought to be easy (e.g., vision, language); 				
 The field fragments into sub-areas focused on problem-solving, known representation and inference, vision, planning, language processing etc. 	•			
• 1970-mid 1980s				
 investigation of knowledge representation and reasoning leads to n practical tools such as expert systems; 	nany			
 the difficulty task of knowledge engineering draws attention to the systems capable of learning from experience 	e need for			
PennState All 100 Fall 2024	Vasant G Honavar			

