CommTECH Course 2022 Online Edition

Course Title   : Cognitive Ergonomics: Fundamentals & Applications

Instructor Coordinator   : Ratna Sari Dewi, Ph.D

Time   : 17 – 28 January 2022 (GMT +7, Surabaya Zone Time)
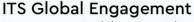
                               Morning Session: 09.00 – 12.00

Synopsis

Cognitive aspects determine the effectiveness of human interaction with other elements in a system, particularly in processing input from a display or information. Therefore, cognitive factors need to be considered in designing work systems to avoid mistakes in carrying out a work procedure. This course is designed to explain the fundamentals of the human cognitive process from perception to actions. Furthermore, we will discuss the contemporary cognitive ergonomics applications, such as human-computer interaction, human reliability, designing an effective interface, cognitive process evaluation, and UI/UX evaluations.

Schedule

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Week 1	• Opening Ceremony • Overview of sub course B	Human Information Processing & The Human Sensory System	Human Computer/ Machine Interaction	Effective Interface Design	Cognitive process evaluation & Human Reliability	Language & Cultural Activities
	Language & Cultural Activities	Language & Cultural Activities	Language & Cultural Activities	Language & Cultural Activities	Language & Cultural Activities	
Week 2	• UI/UX evaluations • Grouping • Project Allocation	Group work	Discussion & Progress Review	Group work	• Presentation & Feedbacks • Reflection • Awarding & Closing	