

Ergonomics and Design Thinking for Self-Motivational Safe Practice

Faculty:

Debkumar Chakrabarti

Good design facilitates overall well-being. Design is a process and staged outcome of conversion of solution-oriented ideas into reality experiences- products/ systems. Semiotic application of information input as design specifications to help internal processing of understanding how to use led to the acceptance of the design and safe operation. Safe utility mode can be encoded in the design of work and the commodities used in daily life, and design appearance should provide a self-motivated action mode as desired than something done with compulsion. Engineering design produces means and methods to deliver functional reliability for its conceived purpose. Ergonomics, with usability and humane compatibility of acceptance. This deliberation examines some issues of design ideation and trust building for operational efficiency. It investigates applications of semiotic inbuilt messages in the design to ensure safe operations and fear-free use.

A well-designed product/work system, with a proper application of users' information, predicts increased acceptance and reduced risk of avoidance. While ideating for safe use and well-being, it looks for functionality, usability issues, and overall pleasure appreciation. A feel-good satisfaction to possess the product and joy in use become integral design development philosophy. It goes along with caring newness/ sentiment/ethics that advocate if I am productive with comfort at home, at the workplace and leisure. Ergonomics is, in effect, confirming universality and newness. It ensures self-motivated acceptance of the product and system. This deliberation provides examples with some design ideation exercises supporting trust building.

About Our Speaker:

Debkumar Chakrabarti

Prof. (Dr.) Debkumar Chakrabarti is the President of the Indian Society of Ergonomics (ISE) and a Council member of the International Ergonomics Association (IEA). His interest covers the field of Design and Ergonomics.

Prof. Chakrabarti has 43 years of teaching and concurrent administrative work experience in various capacities and keeps an interest in confidence building in design learning and specifically promoting PhD in Design. He has guided 20 PhD students.

His work association includes the National Institute of Design Ahmedabad, Indian Institute of Technology Guwahati, Central Institute of Technology Kokrajhar Assam, University of Petroleum and Energy Studies Dehradun and Adamas University Kolkata.

