TYPE OF COURSE : Rerun | Elective | PG COURSE
DURATION : 4 weeks (23 Aug'21 - 17 Sep'21) EXAM
DATE : 23 Oct 2021

PRE-REQUISITES : Minimum Graduation with an understanding of Basic Ergonomics
INTENDED AUDIENCE : Master Degree and PhD students

COURSE OUTLINE :
Ergonomic workplace analysis is a process where the ergonomic risk factors are evaluated using various validated tools and provide probable recommendations to minimize the risk factors for development of work related musculoskeletal disorders and improve the productive workday to reduce the cost for compensation, absenteeism and employee turnover. In the process of ergonomic workplace analysis an ergonomist needs to evaluate the physical work environment, psychosocial risk factors as well as various generic risk factors which leads to the development of work related musculoskeletal disorders. This course is based on the complete process evaluation of EWA.

ABOUT INSTRUCTOR :
Prof. Urmī Ravindra Salve, completed her PhD in science Ergonomics from Calcutta University. Prof. Salve has expertise in Human Factor Engineering, Research Methodology, Cognitive Ergonomics, Occupational Health Related Problem, Human Physiology. She has almost ten years research experience in the field of ergonomics and human factors engineering in different research bodies including TIFAC–CORE NITIE, National Institute of Industrial Engineering, Mumbai, India. She further worked in the field of Occupational Hygiene at National Institute of Miners’ Health, Department of Mines, Govt. of India. She has more than 22 full study and abstract publication on the national and international journals and conference proceedings.

COURSE PLAN :
Week 1: Overview of Ergonomics and understanding of Ergo-system Overview of ergonomic workplace analysis
Week 2: Classification of techniques used in Ergonomics research
Week 3: Subjective assessment tool and Methods Postural evaluation
Week 4: Measurement of Work Effort and Fatigue