

## **Application of Ergonomic Interventions for the Prevention of Work-related musculoskeletal disorders among the Informal Sector Workers of India**

Invited Lectures

Faculty:

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A large number of work forces in India (90%) are directly involved in informal sectors. The labour laws are mostly, not applicable in the informal sectors. There is a lack of occupational safety and health awareness among them, which include, less attention to industrial hygiene, poor housekeeping and poor employee protection. A large number of these workers are suffering from different types of work related disorders. It is observed that through the application of low cost interventions their conditions may be improved. Through the participatory ergonomics approach, several interventions are designed and applied in different informal sectors of India. A detailed study is made on the identification of efficacies of these interventions. It is essential and important to apply the exact interventions and to find out and behavioural approaches of the users towards the utilizations of interventions. As informal sectors are increasing steadily in different developing countries so to give the workers comfort is becoming a challenge of these parts of the globe. Surprisingly observed, low cost health interventions can improve the productivity of informal sectors up to 30%. The work-related musculoskeletal disorders (WMSDs) are also prevented. Proper implementation of ergonomic interventions can ultimately improve the occupational health of informal workers and the economy of the nation.

### **About Our Speaker:**

Somnath Gangopadhyay

Dr. Somnath Gangopadhyay is a Professor of the Department of Physiology, University of Calcutta. He is actively involved in extensive research activities, with more than 300 research publications of his work in national and international peer reviewed journals and books. He has been conferred FABMS title by the Indian Association of Bio medical Scientists. He has also been conferred Fellow, Chartered Institute of Ergonomics and Human Factors and awarded Chartered status title by Chartered Institute of Ergonomics and Human Factors, United Kingdom. Presently, he is holding the post of the Secretary of the scientific committee of International Commission on Occupational Health.