

PARTICIPANTS

Participation is open for all Engineering professionals, State and Central regulatory authority, Govt. PSUs, Private corporate body, Engineering Graduates (Degree and Diploma), Students (Physiologist), Research scholars, Safety Professionals, and PG Students.

IMPORTANT DATES & REGISTRATION

The registration process will start from 10.02.2023, and closed on 25.03.2023. All interested Candidates/Delegates have to register themselves by making payments to CONTINUING EDUCATION CENTRE BESUS A/C (Details given below) on or before 25.03.2023. One copy of payment receipt may be sent to Email-deyshibaji@gmail.com or to WhatsApp no 9062212105. The registration fee for the working professionals and others is only 4000/- Rs. including GST. Students have to pay at a discounted rate of only 1200/- Rs. including GST.

MODE OF PAYMENT

The registration fee may be paid to the following account through RTGS, NEFT or other online payment gadgets.

In the Name of-

CONTINUING EDUCATION CENTRE BESUS
Bank-Punjab National Bank
A/C-1532010011963
Branch-BESUS
IFSC-PUNB0153220
MICR-700024396

CONTACT/COMMUNICATION

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27 March 2023 to 31st March 2023

**COURSE WORK ON ERGONOMICS
AND INDUSTRIAL SAFETY**

**ORGANIZED BY
DEPARTMENT OF MINING ENGINEERING
IIEST SHIBPUR**

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APPLICATION OF ERGONOMICS FOR INDUSTRIAL SAFETY

Ergonomics is the very important applied science for the Engineering as a whole and for the Mining fraternity in particular. Though it has extremely wide application for the betterment of men and machine efficiency including restoring comfort level of the work persons, but still it has substantial pertinent points with **potential benefits**.

Course	Faculty for the session	Timing	
Day 1	Concept of Ergonomics, Human factor and Industrial safety, Basic principle	Prof. D.Chakraborty IIT Guwahati	4 PM-5 PM
	Identification of stressors and its' effect	Prof. N. C. Dey IEST Shibpur	5 PM-6 PM
Day 2	Industrial Ergonomics and its' application	Prof. B. B. Mondal IIT Kharagpur	4 PM-5 PM
	Effect of working environment	Dr. S. C. Dey IEST Shibpur	5 PM-6 PM
Day 3	Job stress management	Prof S. Sahu Kalyani University	4 PM-5 PM
	Job Stress-computation method and work-rest scheduling	Prof. N.C. Dey IEST Shibpur	5 PM-6 PM
Day 4	Safety Standards for the industry	Shri A. Bagchi Hindalco Industries Ltd.	4 PM-5 PM
	Musculoskeletal Disorders	Prof. S.Gangopadhyay University of Calcutta	5 PM-6 PM
Day 5	Concept of human body somatotyping and anthropometry	Dr. S. C. Dey IEST Shibpur	4 PM-5 PM
	Feedback & Valedictory Session		5 PM-6 PM

BENEFIT TO INDUSTRIES

We get knowledge on “Workload Classification” for placement of individuals in a specific job more scientifically and physiologically.

Gaining knowledge on how to maintain good and friendly working environment in work-site.

Development of scientific knowledge on work-rest scheduling so that workers can give **100% work efficiency** during each spell of activity.

The generated work - fatigue can be delayed significantly such that it won't pose any trouble to work bouts of individuals and **full work efficiency** can be achieved.

To find out easier way to reduce work-stress of all Operators including HEMMs to satisfy provisions of 126 and 215 specifically given in current CMR 2017.

In addition to achieving production and productivity, there will be increased **human comfort with zero-harm to the industry**.

Acquainted with the “Ergonomic Design of Seat Arrangement of Operators Cabin” as mentioned in regulation to avert MSD (Musculo-skeletal Disorders) related troubles.

Determination of BSA, BSI and Total energy expenditure with LCW (limit of continuous work) for each category of workers will be easier.

