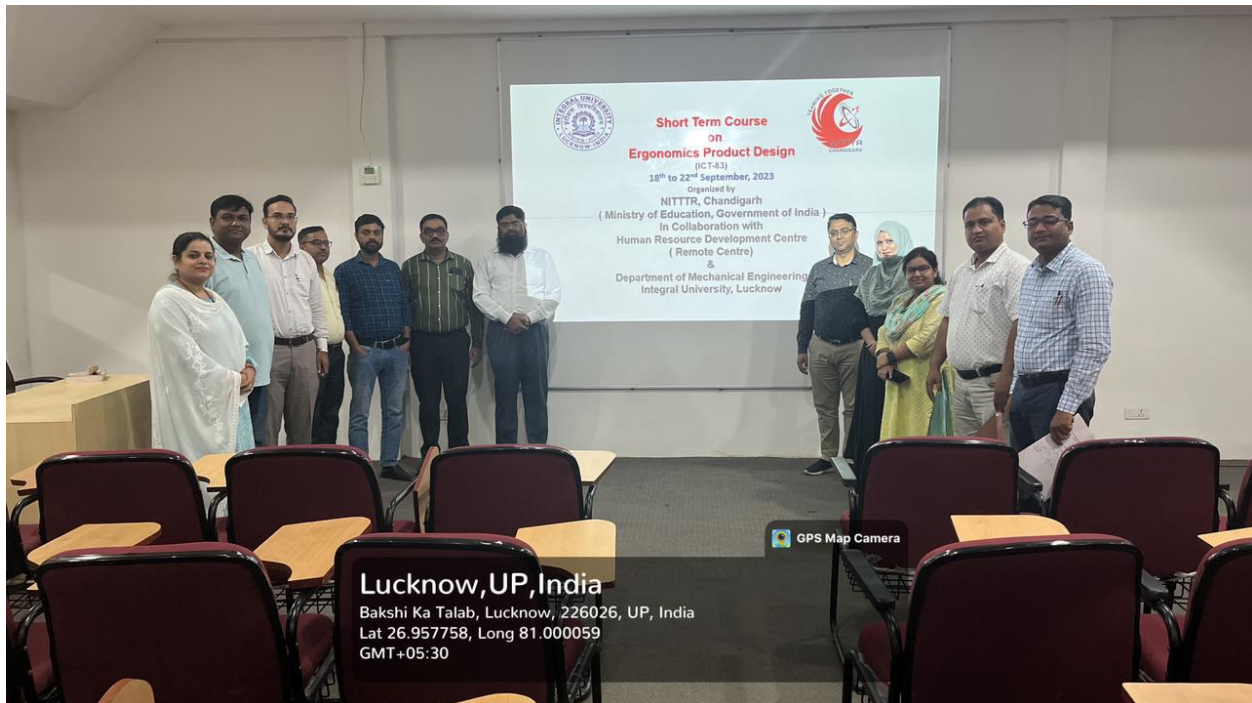


## Report on One-week STC “Ergonomic Product Design”

(HRDC, Integral University, Lucknow, a Remote Center of NITTTR, Chandigarh)

**18-22 September 2023**

Human Resource Development Centre and Mechanical Engineering Department, Integral University as a remote Centre of NITTTR, Chandigarh has organized AICTE Recognized Short Term Course through Information and Communication Technology (ICT) on "**Ergonomic Product Design**" from **18-22 September 2023** at Integral University, Lucknow. This Short Term Course is organized in association with National Institute of Technical Teachers Training & Research, Chandigarh under Ministry of Education, Government of India.



As an outcome of the course, participants gaining foundational knowledge, practical skills in Ergonomic Design, proficiency in ergonomic tools, understanding of workplace design according to the worker and calculation of various anthropometric details. A total of fifteen technical sessions were constituted from a wide variety of topics and each session was led by a team of expert's viz.:

Day 1:

- Introduction to Human Engineering by Dr. S.S. Banwait, Course Coordinator, NITTTR, Chandigarh
- Ergonomic Innovation for Product Design by Dr. S.P. Singh, NIT Jalandhar.
- Design of Displays by Dr. S.S. Banwait, Course Coordinator, NITTTR, Chandigarh

Day 2:

- Ergonomics in Manufacturing by Dr. Sanjiv Gupta, Ex-SMI. IISU.
- Design of Controls Dr. S.S. Banwait, Course Coordinator, NITTTR, Chandigarh.

- Research Practices & Ergonomic Tools by Dr. Dr. S.P. Singh, NIT Jalandhar.

Day 3:

- Models in Ergonomics by S.S. Banwait, Course Coordinator, NITTTR, Chandigarh.
- Creativity in Design by Dr. Dr. R.K. Wats, NITTTR, Chandigarh
- Rapid Prototyping by Dr. Dr. Rupinda- Sinsh,, Professor, NITTTR, Chandigarh.

Day 4:

- Ergonomics in Product Servicing by Dr. Sanjiv Gupta, Ex-SMI. IISU
- Ergonomics Assessment Tools by Dr. O. P Singh. SBSSU, Gurdaspur
- Ergonomics Assessment Tools-2 by Dr. .O. P Singh. SBSSU, Gurdaspur

Day 5:

- Product Development - Industrial Case Study by Dr. P. S. Viridi,
- AR/VR in Ergonomic Product Design by Dr. Sunui Dutt
- MATLAB in Ergonomic Product Design by Dr S S Ohami

This Short Term Course benefitted a total of fourteen participants. The Integral University was much praised by NITTTR Chandigarh for its active participation. Dr. Sheeba Praveen, Remote Center Coordinator, Er. Sumita Chaturvedi and Er. Shara Khursheed , Assistant Professor, Mechanical Department Integral University Lucknow coordinated the programme.

**Glimpses of the Event:**

