

## Time table

DAY	Time	Topic
<b>DAY 1</b> 15/8/19	9:00 – 10:00 AM	Occupational hazards in workplace and genesis of Ergonomics Importance of ergonomics and its relevance Introduction to physical ergonomics highlighting anthropometry Different types of anthropometry, percentiles etc. and its importance
	10:00 -10:30 AM	Tea break
	10:30 -12:30 PM	Application of Anthropometry in hand tools, hand held products and space design
	12:30 – 2:00 PM	Lunch break
	2:00 PM – 6:00 PM	Hands-on experiment with Grid board
<b>DAY 2</b> 16/8/19	9:00 – 10:00 AM	Design Intent
	10:00 -10:30 AM	Tea break
	10:30 -12:30 PM	Introduction to Medical device and role of designers and engineers in Medical sciences; Need-based innovation: Importance of identifying unmet clinical needs through strong clinical immersion (Ethnography)
	12:30 – 2:00 PM	Lunch break
	2:00 PM – 3:00 PM	Ideation: Brainstorming, frugal prototyping skills and realizing products. Role of Usability/Ergonomics in Medical Devices: Formative and summative usability evaluation
	3:00 PM – 6:00PM	Case studies
<b>DAY 3</b> 17/8/19	9:00 – 10:00 AM	Ergonomics in the Informal sector
	10:00AM - 10:30 AM	Tea break
	10:30 -11:30 PM	Ergonomic principles in Transportation Design
	11:30 -12:30 PM	Introduction to transportation design
	12:30 -2:00 PM	Lunch break
	2:00 PM – 4:00 PM	Ergonomics in Transportation Design and it's unique challenges; Emotional Design; Process flow; Case studies Trioba 2+1 (Electric Sports Car Concept) Ashok Leyland DOST (Light Commercial Vehicle) Ashok leyland Hybus & JanBus Tata Motors SCV (Small Commercial Vehicle) Tata Motors Ultra Electric Bus Motorcycle Design examples
	4:00 – 6:00 PM	The expected process will be explained The attendees will be divided into groups of 4 to 5 Each team will be given a unique exercise to solve Each team gets to present their solution Feedback will be shared immediately Further Reading, websites and suggestions will be shared
<b>DAY 4</b> 20/8/19	9:00 – 10:00 AM	Importance of Agricultural Ergonomic Sector in India
	10:00AM - 10:30 AM	Tea break
	10:30 – 12:30 PM	Mismatch of agricultural tools, Safety awareness, Accident rates, Occupational health problems to agricultural workers.
	12:30 -2:00 PM	Lunch break
	2:00 PM – 4:00 PM	Case studies and laboratory Experiments

	4:00 PM – 5:00PM	Ergonomics in system design. Components of system, Human memory
	5:00 PM – 6:00PM	Decision Making, Information Process, Allocation of functions
<b>Day 5</b> <b>21/8/19</b>	9:00 – 1:00 AM	Control and display Design Conceptual Model System Model Designer Model Human Action Cycle Task Analysis Task Modelling
	1:00 PM – 2:00 PM	Lunch break
	2:00 PM – 6:00 PM	Case studies
<b>Special Dinner</b>		
<b>DAY 6</b> <b>22/8/19</b>	9:00 – 11:00 AM	Ergonomics principles in simple product design
	11:00 - 1:00 PM	Application of Cognitive ergonomic in different sectors
	1:00PM -2:30 PM	Lunch break
	2:00 PM – 3:00 PM	Epilogue with Validatory session