

Design Resource

Syllabus for Human Factors and Ergonomics

M.Tech./M.S./M.Des./M.Eng./Ph.D.

by

Vivek Kant, Prathamesh Bachche and Rammohan Maikala

DoD, IIT Kanpur

Source:

<https://www.dsource.in/resource/syllabus-human-factors-and-ergonomics>



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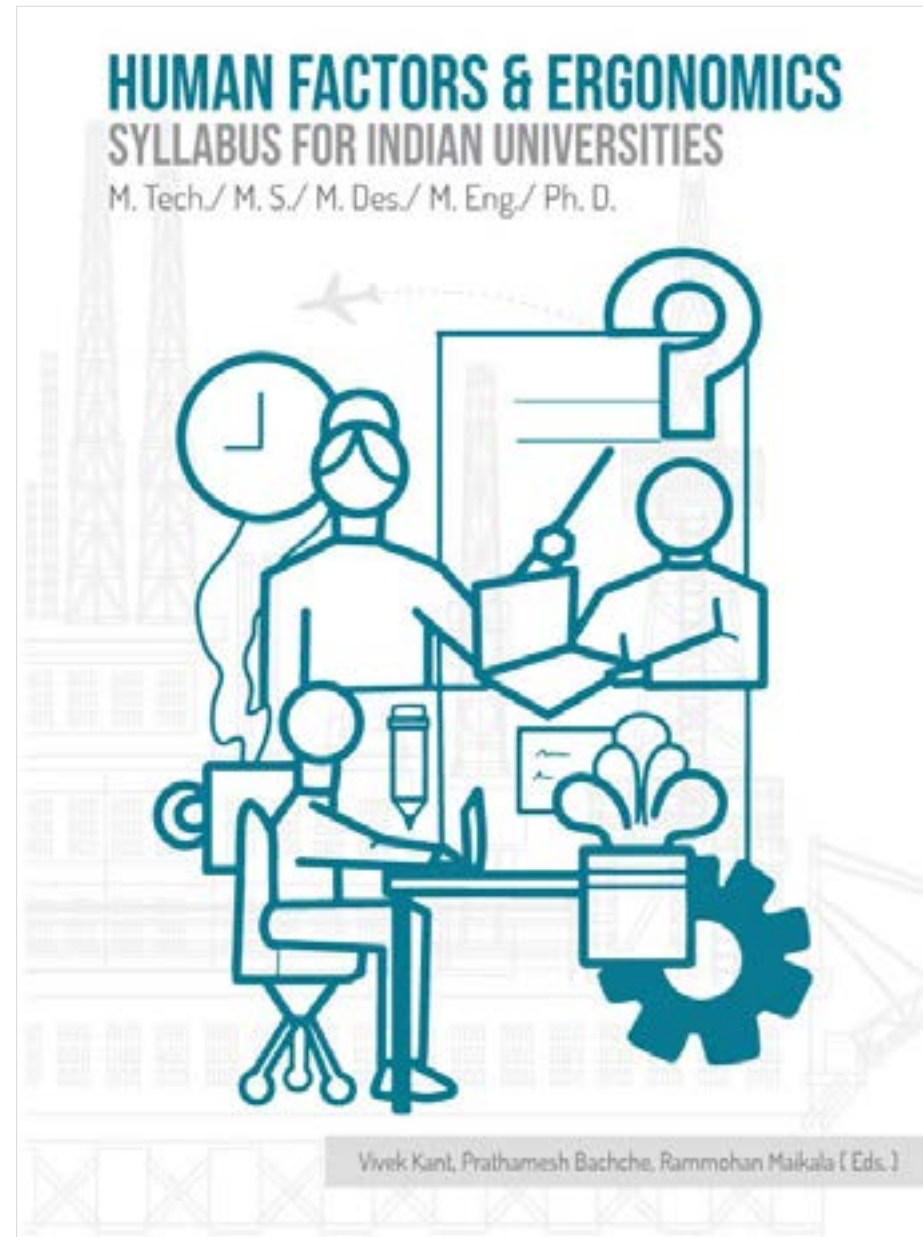
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Human Factors & Ergonomics: Syllabus for Indian Universities

Vivek Kant, Prathamesh Bachche and Rammohan Maikala

As India moves towards the “Vision 2047” in a quest for a better future, there is a growing need for the design of technology and infrastructure to enable well-being, safety, and productivity for Indians. Human Factors and Ergonomics is one discipline that supports the well-being of people in terms of design, maintenance, management, regulation, and governance of technology. Due to the lack of disciplinary programs that address the totality of the discipline, there is a need for capacity building in the academic sector for training the next generation of practitioners. This sample syllabus, while covering the breadth of the discipline, also provides a foundation for Indian universities to fulfill the requirements of Human Factors and Ergonomics. This syllabus can be creatively adapted to suit specific master’s programs in science, engineering, technology, and design. This syllabus provides a basis for a holistic academic program that supports the next generation of Human Factors and ergonomics learners in India.

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