

IIT Mandi conducts GIAN course on Adaptronics

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Indian Institute of Technology, Mandi hosted a Global Initiative of Academic Networks (GIAN) course on Adaptronics from February 4-5, 2019. This specialised course was conducted in collaboration with Technical University of Braunschweig, Germany.

Adaptronics is an interdisciplinary science that deals with the development of adaptive (self-adjusting), actively reacting mechanical structural system with the help of sensors. It works while taking advantage of the elasto-mechanical properties of the 'smart materials' used in it.

GIAN courses are aimed at tapping talent pool of scientists internationally to encourage their engagement with Indian institutes. The four major areas of Adaptronics are active noise cancellation, active vibration reduction, structural health monitoring and active shape control. GIAN is a government initiative funded by the ministry of human resource development.