



INVITED LECTURE & INTERACTIVE SESSION

Centre for
Rural Development and Technology
(CRDT)

Interdisciplinary socio-technical studies through systematic integration of relevant topics in the B. Tech curriculum

About the session:

The genesis of the Interdisciplinary studies comes from two facts. One, development of useful products and technologies requires an understanding of the socio-economic context in which they will be used. Two, introduction of a technology in a society often changes the society. Thus, it is essential that the technology leaders of tomorrow understand the interaction of society and technology. It is observed that often the problems in the society require simple solutions and can be resolved easily with the right technological intervention. With this vision in mind, IIT Mandi started a course in collaboration with WPI, Massachusetts. The course, named ISTP, helps student to explore the various issues/problems of the society. In ISTP, students propose technology-based solutions and evaluate them from social, technical, economic, environmental and other aspects. The session will cover some examples of the projects/studies done in this course and what has been achieved. Apart from this, Dr. Kashyap will also present the work on ecological use of dry pine needles for social benefits, which has been studied with the support of DST grant.

31

Mar. 2021

WEDNESDAY

@ 11:15 AM

Google meet link:

meet.google.com/oik-rjgn-xpc



Dr. Arti Kashyap

Associate Professor,
School of Basic Sciences, and
School of Computing and Electrical Engineering,
PI, Uplifting Himalayan Livelihood Centre
Indian Institute of Technology, Mandi

About the speaker:

Dr. Arti Kashyap received her Bachelor's degree in 1989 from H.P. University, Shimla and Master's degree in Physics (in 1991) from Indian Institute of Technology Roorkee. She did her doctorate from the Department of Physics, IIT Roorkee in 1996 in the field of Computational Condensed Matter Physics. She received CSIR-RA direct award and subsequently, she did her postdoctoral work at University of Nebraska, Lincoln, USA and University of Missouri at Columbia. She also worked as Visiting Scientist in IFW Dresden, Germany and later joined as an Assistant Professor at LNMIIT, Jaipur and became Associate Professor there. In 2011, she moved to Indian Institute of Technology Mandi. Currently, she holds joint appointment as Associate Professor in the School of Basic Sciences and School of Computing and Electrical Engineering at IIT, Mandi. She is a recipient of prestigious Simons Associate Award from ICTP Italy. Apart from her research in Computational Condensed Matter, she is actively involved in the sociotechnical activities for uplifting hilly livelihood.

ALL ARE WELCOME