

**TEQIP-II Self Sponsored National Level One week Training program (STTP) on “Advance Mathematics for Researchers in Engineering Field” in Engineering from 24-28 March 2017**

A five day Training programme on Advance Mathematics for Researchers in Engineering Field under the TEQIP-II was organized by Indian Institute of Technology Mandi during March 24-28, 2017. The workshop was inaugurated on March 24, 2017, in the presence of Dr. Syed Abbas Convenor and Dr. Muslim Malik members of the organizing committee.



The focus was several advance techniques of mathematics used in engineering problems. The training program was designed primarily for faculty members from Government engineering college Rajkot, Gujarat. A total 10 participants consisting of engineers and scientists attended the program. The topic covered during these days ranges from theory as well as application of of advance mathematics in several engineering problems.

Six speakers from mathematics and engineering field gave lectures for 5 days. The speakers included Dr. Syed Abbas, Dr. Muslim Malik, Dr. Rajeev Kumar, Dr. Kaustav Sarkar, Dr. Arnav Bhavsar and Dr. Renu Rameshan, all from IIT Mandi.



The lecture of Dr. Abbas was more focussed on theory of differential equations, the topic covered were from existence, uniqueness to Lyapunov stability. The topics of finite element methods in engineering were covered by Dr. Rajeev and Dr. Kaustav. Dr. Renu covered the topic of advance linear algebra especially singular value decomposition with several applications. Dr. Arnav delivered lectures on the application of linear algebra in image processing.



The workshop was sponsored by TEQIP, 2017.