

MNIT JAIPUR

EVENT REPORT

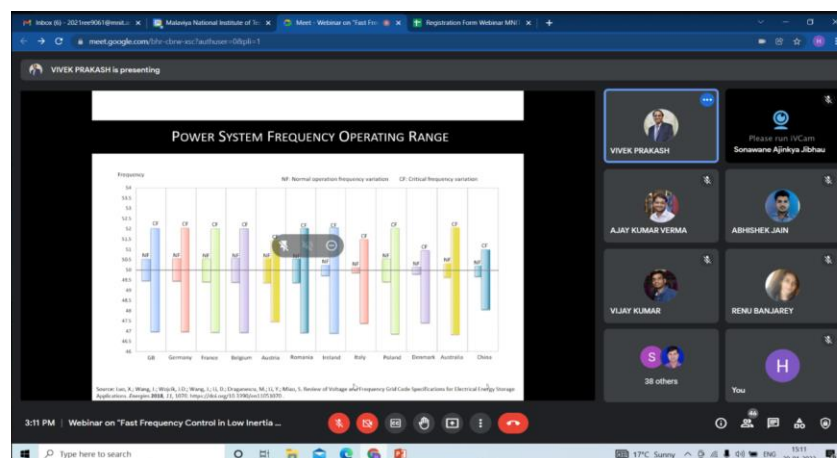
EVENT TYPE : Expert talk
TOPIC : "Fast Frequency Control in Low Inertia Grids"
DATE & TIME : 29th Jan 2022 at 03:00-4:00 P.M
MODE : Online (Google Meet: meet.google.com/bhr-cbrw-xsc)

An expert talk on the topic of “Fast Frequency Control in Low Inertia Grids” was organized by the IEEE Power & Energy Society Student Chapter MNIT, Jaipur. The invited speaker **Dr. Vivek Prakash** is currently working as a postdoctoral research fellow in the Faculty of Electrical Engineering and Computing (FER), University of Zagreb, Croatia.

The purpose of this webinar is to provide a guidance, knowledge about High RE penetration into the power systems. High RE penetration is causing the reduction in overall frequency response. Hence, interconnections require evolving mechanisms to maintain the generation demand balance and avoid a high rate of change of frequency. This presentation focuses on the need for fast frequency control mechanisms in low inertia grids. Evolving technologies like synthetic inertia, energy storage, EVs, Smart flexible load participation, etc are discussed as a potential solution for the same. The outcome of the presentation will be useful for the researchers understand the challenges and opportunities for fast frequency response adequacy in low or no inertia systems.

In the webinar there are Ph.D. Scholars, M.tech. Students and researchers participated; a total of 52 participants, among them 25 are IEEE members and remaining are non-IEEE members.

In the end of session, query session was held in which **Dr. Vivek Prakash** solved the queries of the researchers. The session was concluded by Vote of Thanks given by Ajay Kumar Verma Chair, IEEE Power & Energy Society Student Chapter MNIT, Jaipur.



Event Snapshot