

Expert Lecture: Design of RF Filter using CST Studio Suit 2021

Date: 6th Feb 2021

Time: 11:00 AM to 12:00 PM

About Webinar 6:

- GTU-Graduate School of Engineering and Technology had organized the webinar on “**Design of RF Filter using CST Studio Suit 2021**” on 6th Feb 2021. Mr. Abhishek Dholakiya (Application Engineer, Jyoti Electronics, and Ahmedabad) had talked about on the filter. Microwave filters is electronics filter, designed to operate on signals in the megahertz (MHz) to gigahertz (GHz) frequency ranges. This frequency range is the used by most broadcast radio, Television, Wireless communication (cell phones, Wi-Fi, etc.), and thus most RF and microwave devices will include some kind of filtering on the signals transmitted or received.
- In this expert session, expert talked about various type of filters like Butterworth, chebyshev, high pass filter, low pass filter etc. He talked which parameter has to consider to design and filter and its challenges. He had also talk and do hand on experiment on CST Studio to design lowpass filter as well as he explained how to do analysis of results.

Prof. Raj Hakani, Asst. Prof, GTU-GSET had given the concluding remarks and end the session with vote of thanks. The overall coordination of this webinar was done by Prof. Raj Hakani, Asst. Professor, and GTU-GSET.

During The session around 18 participant of GSET had joined in the expert session.

OUTCOME:

After attending session webinar participant are able to choose filter parameters and also learn how to design and simulate filter using CST software.

