

## POST - EVENT SUMMARY REPORT

IEEE RFID Council Student Chapter Malaviya National Institute of Technology, Jaipur In association with IEEE Delhi Section Antenna and Propagation Society Chapter-Jaipur, IEEE Student Branch, GWECA Ajmer & Department of Electronics & Communication Engineering, MNIT conducted one Day webinar on “Circularly polarized antennas: design and analysis” for the students, scholars and teaching faculties.

Dr. Kapil saraswat, assistant professor, ECE Department, Central university, Ajmer delivered the lecture. There were many participants from various other institutions which included faculties and research scholars.

An online expert lecture was conducted on “Circularly polarized antennas: design and analysis” on 17 Mar 2021. Dr. Kapil Saraswat was the expert guest for the invited talk. Around 80 participants attended the live session. During the session, the basics of most essential antenna in today’s world’s communication era i.e. circularly polarized antenna were discussed in detail. First of all, concept of polarization was discussed, which all factors can impact the polarization and why is it required were discussed in detail. Then, specifically, designing of circularly polarized antenna was discussed in which appropriate benchmarks required for axial ratio, radiation patterns, symmetrical /asymmetrical design constraints, gain, efficiency were discussed in detail. As circularly polarized antennas are the backbone of satellite communication, hence latest advancements in the field of CP antennas were discussed and participants were provided with the latest information.

Also the feedback about the session was collected from all the participants to improve

the sessions that will be conducted in the mere future. The objective of the webinar was achieved. The overall session discussion benefitted the faculties and research scholars. This webinar would help the participants to conduct the classes in an effective way and also it would help them to do their implementation in research work.

**Key Takeaways** Participants raised many questions and provided comments regarding the chapter’s scope and how it connects with the broader report. Zoom was used as the platform for the webinar delivery as it had the required functionality as well as meeting commercial connectivity requirements to aid maximum attendance. Additionally, potential participants were familiar with the system, as Zoom has been used to deliver previous QA webinars. This platform allows for delivery in multiple ways for attendees to participate and interact.

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Malaviya National Institute of Technology, Jaipur  
In association with  
IEEE Delhi Section Antenna and  
Propagation Society Chapter-Jaipur,  
IEEE Student Branch, GWECA Ajmer &  
Department of Electronics &  
Communication Engineering, MNIT

Presents  
One Day Webinar on  
**CIRCULARLY POLARIZED ANTENNA:  
DESIGN AND ANALYSIS**

**Resource Person**  
**Dr. KAPIL SARASWAT**  
CENTRAL UNIVERSITY,  
RAJASTHAN

3 PM  
17/03/2021

No Registration fee required.

Registration Link:  
<https://forms.gle/WCz9z2t8dnNs8ewx6>

**Certificate will be awarded to the participants who attend the webinar.**

3 PM, Wednesday, 17 March, 2021

**Organizers**

Dr. Sanjeev Yadav  
Faculty Adviser  
IEEE Student Chapter, GWECA Ajmer

Dr. J.K. Deepgwal  
Principal  
Govt. Women Engineering College (GWECA), Ajmer

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