



Department of Electronics and Communication Engineering
&

Center for Research Innovation Incubation and Consultancy (CRIIC)

Two days online workshop
on

Ansys for High Frequency Electromagnetics and 5G Technology

23rd and 24th September 2021



STRUCTURES



FLUIDS



ELECTRONICS



SEMICONDUCTOR



OPTICS & VR



MATERIALS



DIGITAL TWIN



3D DESIGN

About Program

Ansys HFSS is a 3D electromagnetic (EM) simulation software for designing and simulating high-frequency electronic products such as antennas, antenna arrays, RF or microwave components, high-speed interconnects, filters, connectors, IC packages and printed circuit boards. Engineers worldwide use Ansys HFSS to design high-frequency, high-speed electronics found in communications systems, radar systems, advanced driver assistance systems (ADAS), satellites, internet-of-things (IoT) products and other high-speed RF and digital devices. Department of ECE, CRIIC, National Institute of Technology Andhra Pradesh and **ARK Infosolutions Pvt. Ltd.**, Bangalore jointly organizes this 2-days workshop on “Ansys for High Frequency Electromagnetics and 5G Technology” for the benefit of academic teaching and research community.

Who Should Attend?

- Engineering Students
- Academia
- Industry
- Working Professionals

Tentative Schedule

Day 1	10:00 a.m. – 12:00 p.m.	Introduction to Ansys High Frequency Tools and 5G Technology
	02:00 p.m. – 04:00 p.m.	FA-DDM array analysis
Day 2	10:00 a.m. – 12:00 p.m.	SBR+ simulation.
	02:00 p.m. – 04:00 p.m.	EMIT simulation.

Patron

Prof. C. S. P. Rao
Director NIT Andhra Pradesh

Co-Patron

Dr. Dinesh S Reddy
Registrar I/C, NIT Andhra Pradesh

Dr. G. Kiran Kumar,
HoD, Assistant Professor,
Dept. ECE, NIT Andhra Pradesh

Coordinator

Dr. S. Yuvaraj,
Assistant Professor,
Dept. ECE, NIT Andhra Pradesh

Speaker

Vivek A
Application Engineer: HF,
ARKInfosolutions Pvt.Ltd.

What To Expect?

The participants will learn different computational solvers present in HFSS and gain a deep insight into how using the simulation with the appropriate solver helps in reducing the design cycle time. Additionally, they will be introduced to the recent trends in communication (5G) and how ANSYS helps in simplifying the design challenges.

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