



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC with 'A' Grade, ISO 9001:2015 Certified Institution

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

REPORT OF Online FDP on "Challenges and Advances in Communication in 5G" using Microsoft Teams

Event Type : FACULTY DEVELOPMENT PROGRAM (FDP)

Date / Duration : 14th-18th June, 2021

Resource Person : **Dr. Kiran kumar Guralla**, Hod of ECE,NIT Andhra Pradesh
B.T.P. Madhav, Professor of ECE, Associate Dean ,R&D, KL University,
Dr N.Suman, Associate Professor, Vignan University,
Sri Doondi kumar Janapala, Karunya university.

Name of Convener : Dr. Y. Amar Babu, professor & HoD

Name of Coordinators : Dr M.Venkata Sudhakar, Professor of ECE
Dr P.Rakesh Kumar,Associate Professor of ECE

Target Audience : 100

Total no of Participants: 100 (Internal Count=25 & External Count=75)

Objective of the event: The objective of this FDP is to make use of the latest Communication methods and techniques along with modern tools for classroom teaching, and research work.

Outcome of event :

- 1)The Faculty can be able to know power spectrum effective utilization.
- 2)The faculty can be able to design patch antennas which is useful for Bluetooth /WiFi/WiMax and Bio Medical Applications.
- 3)The Faculty can be able to design wearable and Biomediacal Antennas using HFSS software.

Description / Report on Event:

One Week FDP started with the Inauguration Function, HOD,Coordinator and Resource person presented their views on the importance and objective of conducting the FDP and motivated all the participants to effectively utilize all the sessions and gain practical knowledge.

During First Day, Dr. Kiran kumar Guralla, Hod of ECE,NIT Andhra Pradesh have given presentation on Resource allocation in 5G.

During Second Day, B.T.P. Madhav, Professor of ECE, Associate Dean ,R&D, KL University has given presentation on Electromagnetics simulation Analysis for advanced RF Antenna and microwave Communications.

During Third Day, Dr N.Suman, Associate Professor, Vignan University has given presentation on Advanced mirostrip patch antenna .

During fourth Day, Sri Doondi kumar Janapala, Karunya university has given presentation on Design of Wearable Antennas

During fifth Day, Sri Doondi kumar Janapala, Karunya university has given presentation on Design of medical Antennas

The lectures have proven to be very inspiring and informative for the faculty. Around 100 faculty members and scholars have attended the FDP. The program ended by advising faculty members to effectively utilize the learned concepts in projects implementation, research paper writing, lab development, and syllabus revision.

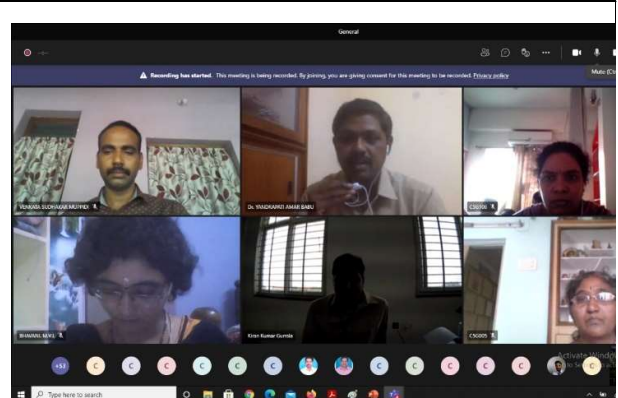
Feedback / Suggestions:

1. Conduct More number of FDPs on similar advanced tools.
2. Conduct exclusively one FDP related to software Hand on Practice.

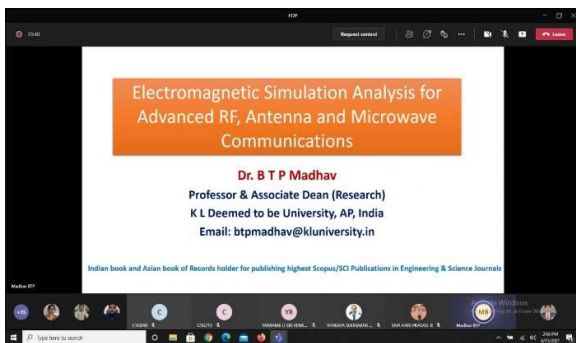
Photographs :



Addressing by HOD Dr Y.Amar Babu



Presentation By Resource person **Dr. Kiran kumar Guralla, Hod of ECE,NIT Andhra Pradesh**

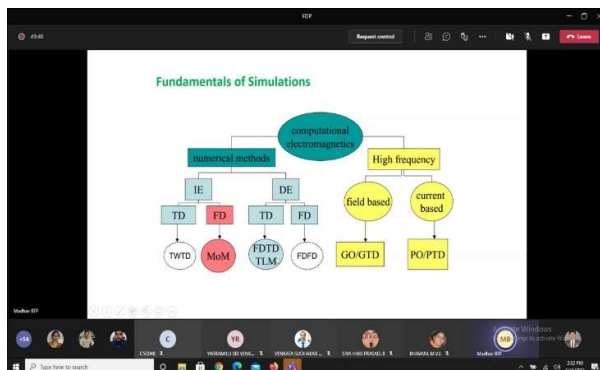


Presentation By Resource person **B.T.P. Madhav,Professor of ECE, Associate Dean , R&D, KLUiversity**

Patch Antennas for Bio Medical Applications

By
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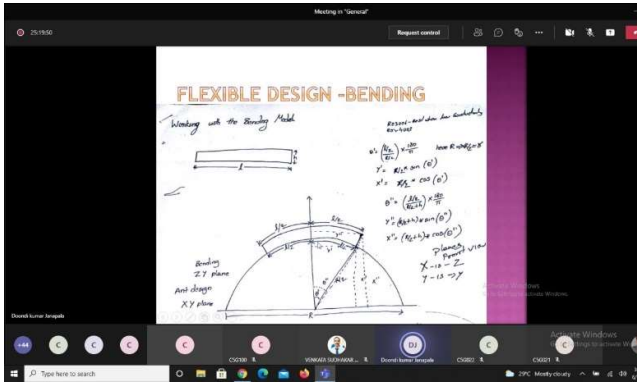
Presentation By Resource person **Dr N.Suman, Associate Professor, Vignan University,**



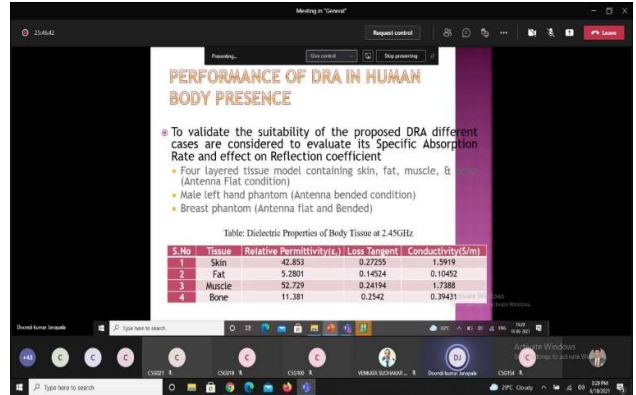
Slides of Resource person **B.T.P. Madhav, Professor of ECE, Associate Dean ,R&D, KL University**



Presentation By Resource person **Sri Doondi kumar Janapala, Karunya university**



Slides of Resource person Sri Doondi kumar Janapala Karunya university



Slides of Resource person Sri Doondi kumarJanapala Karunya university



Distribution of Certificates to Participants