



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)

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 on IETE Workshop on “Antenna Design and Simulation”

Event Type : Workshop
Date / Duration : 11/02/2019
Name of the Resource Person : Dr B.T.P.Madhav, Professor of ECE,
KL University
Name of Convener : Dr Y. Amar Babu
Name of Coordinators : Dr Y.S.V.Raman

Target Audience : B.Tech III ECE Students
Total no of Participants: 190

Objective of the event: To acquaint the students with the basic principles, developments, and research trends in antennas. The workshop has covered the perfect combination of theory and practical sessions in the well-balanced manner. This workshop will certainly help students to improve technical skill set and hence employability.

Description / Report on Event:

Electronics and Communication Engineering (ECE) department, Lakireddy Bali Reddy College of Engineering, Mylavaram, and Institution of Electronics and Telecommunication Engineers (IETE) students' chapter is jointly organized the workshop on “Advances in communication Systems”. The guest lecture began with inaugural function by Dr Y. Amar Babu, Head Department of ECE, Dr B.T.P. Madhav, Professor of ECE, KL University 11/02/2019. Prof B. Ramesh Reddy highlighted the importance of the guest lecture; it was mentioned that the students should develop skills that are required for developing new models helpful for society. Dr Y.S.V.Raman, Coordinator, presented objectives of conducting the guest lecturer and encouraged all the participants to efficiently utilize this opportunity.

Dr B.T.P. Madhav discussed

- Mathematics behind the antenna design and radiations has been cleared.
- Signal conversions of mw to dBm are focused.
- Practical antenna considerations for mobile, cell site and satellite applications are learned.
- Design approach for wire antennas including- dipole antenna, helical antenna, yagi antenna, spiral antennas, slot antennas, loop antennas are learned and manufactured the same.
- Designed antennas are tested by using RF-link analysis procedure.
- Antenna design has been carried out by HFSS-EM simulation software.

Feedback / Suggestions:

1. Suggested to conduct similar events in the future.