140. Antenna Design and automotive applications using FEKO Software



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Faculty Development Programee On

"Antenna Design and Automotive applications using FEKO Software"

Two Days FDP for reinforcing learning and practice. A thorough understanding of the Complete Antenna Design and Automotive Technology using FEKO Software, which equips the faculty with the foundation, techniques, methodologies and skillsets, along with relevant hands-on in respective areas.

Overview of the Workshop:

The objective of the workshop is to provide an overview on the recent advances in the field of antenna systems and automotive Technology and to design & simulate different types of antennas using FEKO software.

The goal of workshop is to meet following

- To provide hands on experience with the tool.
- To design and simulate various types of antenna using FEKO software.
- To cover various challenging topics in antenna in automotive applications.

About the Institution BVBCET

Established in 1947, BVBCET has achieved an enviable status due to a strong emphasis on academic and technical excellence. Spread over a luxurious 50 acres, the picture sque campus comprises of various buildings with striking architecture. A constant endeavor to keep abreast with technology has resulted in excellent state-ofthe-art infrastructure that supplements every engineering discipline.



Currently college offers 12 UG and 8 PG programs affiliated Visvesvaraya Technological University, Belgaum and is recognized by AICTE, New Delhi and accredited by NBA.

About Silicon microsystems

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Silicon microsystems, Bangalore is
Authorised sole distributions for Altair India Itd.,
SIMS conducted more than 175 seminars,
workshop, conference across India to train the
trainers and supplied FERO & other EDA took to
many leading Educational Institution and
supporting since 1998.

About ECE Department

Department was established in 1979 & is the pride of Karnataka. The graduates from this department are playing a vital role in the IT revolution and are instrumental in plading Karnataka on the global IT landscape. The department offers Post Graduate programs in "Digital Electronics" and "VLSI Design

and Embedded System". Active engagement of faculty in research has led to recognition of department as a research center by the University.

E&C students are placed in major industries such as IBM, Motorola, Siemens, Alcatel, Intel, Microsoft, Bosch, KPIT etc.

Sankalp semiconductors Pvt. Ltd. Is housed in our campus which mentors the staff and students in the area of Analog and Mixed signal design.

The department is working with following industries which have given considerable input in the design of the curriculum in Automotive Electronics, VISI, Communication and Networking: Robert Bosch, KPIT, Sankalp Semiconductor, ARM India Ltd., Juniper Network, CISCO.

About FEKO & Altair ltd.,

FEKO is a comprehensive electromagnetic simulation software tool for the electromagnetic field analysis of 3D structures. It offers multiple state-of-the-art numerical methods for the solution of Maxwell's equations, enabling its users to solve a wide range of electromagnetic probleme encountered in various industries. FEKO brand belongs to Altair India Itd., USA an having design & marketing office in Bangalore. FEKO software can be used in Applications:

- 3D antenna design
- Antenna placement Electromagnetic coupling and interference (EMC, EMI)
 Bio-electromagnetics
 3D RF components
 3D EM circuits etc.,

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