

Two Days Workshop on Antenna Design using NEC2

29th and 30th April 2024

The Department of **Electronics and Communication Engineering** is organizing a two-day workshop on Antenna Design using NEC2 (**Physical Mode**) within **Government College of Engineering Bodinayakkanur, Theni 625582**. Antenna design is pivotal in modern communication systems, and this workshop aims to equip our **third-year ECE students** with practical skills in this field. The workshop is scheduled on April 29th and April 30th, 2024.

Patron

Dr.C.Vasanthanayaki.,M.E., Ph.D.,
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Convener

Dr. D. Mary Sugantharathinam.,M.E., Ph.D.,
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Resource Persons

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Organized by

Department of Electronics and Communication Engineering
Government College of Engineering Bodinayakkanur, Theni 625582

Topics

29-04-2024 (Day-01)

- Introduction to NEC2 (Numerical Electromagnetic Code) module for antenna design
- Theoretical introduction to wire antennas
- Modelling, simulation and optimisation of wire antennas

30-04-2024 (Day-02)

- Introduction to patch antennas in NEC2 software
- Design of wi-fi and GSM antennas using NEC2 software
- Comparison of results using commercial ANSYS- HFSS results
- Introduction to recent research trends in antennas and metamaterials and research opportunity for future