

AMRITA INSTITUTIONS, NAGERCOIL

Amrita Institutions, Nagercoil is run by Mata Amritanandamayi Math (MAM), Kollam. Satguru Mata Amritanandamayi Devi (AMMA), one of the foremost humanitarian leaders in the world today, is the founder of Amrita Institutions, Nagercoil. AMMA is our guiding beacon behind providing holistic education for the next generation of young brilliant minds in India.

Amrita Institutions, Nagercoil has the following Institutions:

- Amrita College of Engineering and Technology (ACET)
- Amrita Polytechnic College (APC)
- Amrita College of Education

AMRITA COLLEGE OF ENGINEERING & TECHNOLOGY, NAGERCOIL

All the courses offered in Amrita College of Engineering and Technology (ACET) are approved by All India Council for Technical Education (AICTE), New Delhi and the college is affiliated to Anna University, Chennai.

ABOUT THE ECE DEPARTMENT

The Department of ECE was established in 1999. It offers B.E. Electronics and Communication Engineering and M.E. Embedded Systems Technologies Courses. The Department has a team of qualified and experienced faculty members with industrial and research background. The Department has fully equipped laboratories.

FACULTY DEVELOPMENT TRAINING PROGRAMME

The Centre for Faculty Development (CFD), Anna University, Chennai sponsors faculty training programmes to improve the teaching skills and knowledge of the teachers in the subjects they teach to ensure quality education to students and equip them to become readily employable. The resource persons are experienced faculty members from Anna University, reputed Institutions and Industry. CFD has sponsored this 6-day FDTP and Amrita College of Engineering and Technology is organizing the programme for the benefit of teachers and the student community.

TOPICS

- Basics of Coordinate Systems, Line, Surface and Volume Integrals.
- Divergence theorem, Stokes theorem and Helmholtz's theorem.
- Electrostatics Field Laws and Applications.
- Electrostatics Field in Materials and Boundary Conditions.
- Magnetostatics Fields and Boundary Conditions.
- Magnetostatics Field Laws and Applications.
- Magnetostatics Field in Materials.
- Time-Varying Fields and Maxwell's Equations.
- Plane Electromagnetic Waves in Lossless and Lossy media.
- Pointing Vector and Flow of Electromagnetic power.

OBJECTIVES

- To gain conceptual and basic mathematical understanding of electric and magnetic fields in free space and in materials.
- To understand the coupling between electric and magnetic fields through Faraday's law, displacement current and Maxwell's equations.
- To understand wave propagation in lossless and in lossy media.
- To be able to solve problems based on the above concepts.

RESOURCE PERSONS

1. **Dr. D. Kavitha**
Amrita School of Engineering, Coimbatore Campus
2. **Mr. B. Sabarish Narayanan**
Amrita School of Engineering, Coimbatore Campus
3. **Mr. S. Sampath Kumar**
Amrita School of Engineering, Coimbatore Campus
4. **Dr. R. Shantha Selva Kumari**
Mepeco Schlenk Engineering College, Sivakasi
5. **Dr. K. Kavitha**
Velammal College of Engineering and Technology, Madurai
6. **Dr. T. Jayasree**
Government College of Engineering, Tirunelveli
7. **Dr. P. Rajeswari**
Velammal College of Engineering and Technology, Madurai
8. **Dr. K. Esakki Muthu**
University VOC College of Engineering, Thoothukudi
9. **Dr. V. Prakash**
Thiagarajar College of Engineering, Madurai

SIX-DAY FDTP on EC8451- ELECTROMAGNETIC FIELDS

09.12.2019 to 14.12.2019

Co-ordinators

Dr.P.Kannan, Assoc. Prof. / ECE.
Dr.M.S.Sivagamasundari, Asst. Prof. / EEE.

Jointly Sponsored by



Anna University, Chennai

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Managed by Mata Amritanandamayi Math
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

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