



**Alva's Institute of
Engineering & Technology**
Shobhavana, Mijar, Moodbidri -574225

Web: aiet.org.in

Accredited by NBA (ECE)

**Department of Electronics and
Communication Engineering
is Organizing**

Five Days Online Workshop on "HAM
RADIO IN TODAY'S DIGITAL
TECHNOLOGIES AND DISASTER
MANAGEMENT"

18th November 2019 – 22nd November 2019

Coordinated By

Dr. D V Manjunatha
Professor & Head, Dept. of ECE

Resource Person

Dr. S. Sathyapal
Director
Indian Institute of HAMs
Karnataka Chapter

Highlights of Workshop

- Exposure to HAM Radio clubs in India and throughout world.
- Design of Transmitter and Receiver antenna.
- Exposure to different modulation techniques.
- Discussion on different modes of communication with respect to HAM Radio.
- Exploration about conducting scientific experiments in radio techniques - propagation studies.

Coordinator :

Dr. Dattathreya
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Assistant Professor, Dept. of ECE AIET, Moodbidri
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Registration Fee: 2000/-

For registration Contact the Coordinators.



ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Alva's Institute of Engineering and Technology, Mijar, Moodbidri is a premier Engineering Institute of Alva's Education Foundation, established in the year 2008, located adjacent to Mangalore-Sholapur National Highway, which is 24 Kms from Mangalore International Airport. The college is recognized by All India Council for Technical Education (AICTE), New Delhi & Affiliated to Visvesvaraya Technological University, Belagavi. The college is ranked as one of the best Technical Institute in South Canara region. The institute offers under graduate programs in 5 branches of Engineering – Computer Science & Engineering, Civil Engineering, Electronics & Communications Engineering, Information Science & Engineering, Mechanical Engineering. Computer Science & Engineering, VLSI Design & Embedded Systems. Seven departments at the institute has been recognized as research centers by Visvesvaraya Technological University, Belagavi.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Department of Electronics & Communication at Alva's Institute of Engineering and Technology was started in the year 2008-09. The department is affiliated to Visvesvaraya Technological University (VTU) and was recognized as Research Centre of VTU in the year 2017- 18 and accredited by NBA in 2019-20. The department has an intake of 120 aspirants per year. The department has well-equipped classrooms and computer laboratories with high-end systems as per the AICTE norms. The syllabus encompassing the latest technologies, excellent laboratory facilities and exemplary faculties are the main reasons for the prized status accorded to this course.

ECE is one of the renowned branches in the field of Engineering, have proved time and again, that they play a

vital role in both the developing and well-being of society in the fast paced human life. E&C branch is concerned with the design, development, manufacture and application of electronic devices, circuits and systems. The department has well-qualified, experienced and research oriented faculty.

VISION OF THE DEPARTMENT

"Centre of Excellence to Empower the young minds in the field of Electronics and Communication Engineering with research focus and skill development through Transformative Education catering to the needs of the Society".

MISSION OF THE DEPARTMENT

- To create Learning Environment to enable the Students for Excellence in the field of Electronics and Communication Engineering.
- To Empower the Students with necessary Skills for Solving the Complex Technological Problems.
- To Inculcate Research Culture among Teaching-Learning Group by guiding them towards Research Activities to bridge the gap between Industry and Academia.
- By Imbibing the Students with Human Values and Ethics through Transformative Education and make them Socially Responsible Professionals.

PROGRAM SPECIFIC OUTCOMES

A graduate of the Electronics and Communication Engineering Program will exhibit:

PSO1: Understand and apply the principles of Electronics and Communication Engineering in various domains of Analog and Digital systems.

PSO2: Design and implement systems using the concepts of Electronics, signal processing, Embedded systems and Semiconductor Technology.

PSO3: Apply modern hardware and software tools to analyse and solve engineering problems..

PROGRAM EDUCATIONAL OBJECTIVES

The graduates of Electronics and Communication Engineering will be able to

PEO1: Apply Mathematical, Scientific and Engineering skills for solving problems in the area of Electronics and Communication Engineering.

PEO2: Expose to Emerging Technologies and excel in Industries/Higher studies/research.

PEO3: Apply analytical skills in the area of Electronics and Communication Engineering to become competent and Employable.

PEO4: Inculcate professional ethics, human values, team work for solving engineering problems and contribute to societal needs.

ABOUT WORKSHOP

This workshop on "HAM Amateur Radio" was an exhaustive held for students and faculty of all department of Alva's Institute of Engineering & Technology. Ham (Amateur) Radio is a scientific hobby, adventurous sport & second line of Communication when all other means of communication fails. HAM has become a unique tool in promoting global friendship. It is a pioneering effort conceived by creative minds. It is a laudable Endeavour to bring YOUTH to involve in this Mode of Communication with most fascination. Today there are thousands of hams who are enthusiastic about Ham Radio and use various methods to communicate with their counterparts around the world. Groups, individuals and educational institutions are all striving to acquire radio technology, as they are eager to improve their skill over a wide spectrum of fields. Hams are from different walks of life. Ham family consists of students, educationists, scientists, engineers, doctors, lawyers, technicians, retired persons from various fields, house-wives, Film stars, Top-officials, Ministers, Mps and so on.

TARGET AUDIENCE

The workshop is open for 2nd and 3rd year students and faculty of ECE department, AIET, Mijar.