

Course Title: Essence of Telecommunication

Course Code: EEA 188

Course Background / Summary:

This course is offered to trainees who are interested in strengthening their skills and knowledge in telecommunication systems development. It gives a broad knowledge of the fundamentals of telecommunication systems with an emphasis on analog and digital communications.

Course Objectives:

- Apply the concepts and theories in evaluating the differences in telecommunication technologies.
- Apply and solve telecommunication problems by using synthesis analysis techniques.

Target Audience:

- Industrial workers from technicians to engineers, etc.
- Teaching staff (vocational & technical teachers), lecturers, etc.

Course Duration: 4 Days

Course Contents

1.0 Introduction to Telecommunication

2.0 Signals in Telecommunication

3.0 Quality of Service and Telecommunication Impairments

4.0 Transmission and Switching

5.0 Voice Telephony

6.0 Transmission Transport

7.0 Data Communication

8.0 Cellular Communication Systems