

Satellite Communication

COURSE DESCRIPTION:

This course will provide an introduction of the modern satellite communication technologies. In this one-day course, we cover technologies from geostationary satellite, low and medium orbits satellite constellations, to the latest 5G over satellite and non-terrestrial networks. The course will build the technology foundation for your day-to-day work or your research program.

WHO SHOULD ATTEND:

Telecommunication industry professional, ICT policy workers, marketing executives, academics, and anyone looking to understand how satellite communication works.

COURSE OBJECTIVES:

By attending the course, you are expected:

- To understand the principle of satellite communication
- To understand the evolution on satellite communication technologies
- To understand the opportunity and challenge for satellite communication

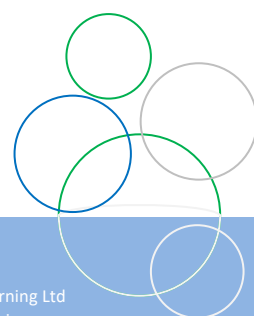
SOME COURSE BENEFITS:

- Be able to provide basic technical support
- Have credible conversations around satellite technology with your peers and customers
- Be able to plan a satellite communication and understand which frequency band to use
- Gain insights of the economic development and business opportunities from satellite technologies.

FORMAT:

1-day, interactive classroom based or live online via Zoom

Maximum attendees 12 per course



CONTENT:

Morning

- Principle of satellite communication, orbits
- Architecture of satellite communication
- Radio spectrum used for satellite communication
- International regulatory for satellite communication
- Use cases for satellite technologies

Afternoon

- Geostationary satellite
- Non-geostationary satellite constellation
- 5G over satellite
- Fixed satellite
- High throughput satellite
- Mobile satellite
- Broadcasting satellite

Assessment (Optional for in-house courses)

- Instructor led interactive quizzes
- Multiple choice written test

Delivered in association with

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