International Telecommunication Union
Arab Regional Office (ARB)

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- Administrations and Regulators in the Arab Region
- ITU-D Sector Members in the Arab Region
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- Academia Institutions in the Arab Region
- Regional and International Organizations concerned in the Arab Region
- Arab Regional chairs and vice chairs of the Advisory Groups and Study Groups

Subject: ITU Centres of Excellence Face to Face Training Course on "Fiber To The Home (FTTH)"

Dear Madam/Sir,

I am pleased to invite your organization to participate in the F2F training course on **"Fiber To The Home (FTTH)",** organized jointly by the International Telecommunication Union (ITU) and Sudatel Telecommunications Academy (SUDACAD), **in Khartoum – Sudan, from 19 to 23 June 2022**, as part of ICT Applications Programme under the auspices of the ITU Centres of Excellence for the Arab region. The training will be delivered in English & Arabic.

The aim of this course is to focus on Optical Access Networks, specifically Fiber to the Home (FTTH) technologies, among different key topics related to Optical Access Networks Fiber to the Home (FTTH).

By the end of this training, the participants should be able to:

- Understand the passive Optical Network (PON) architecture and its possible implementation.
- Identify the different varieties of PON architectures.
- Determine the differences between broadband Passive Optical Network (BPON), Gigabit Passive Optical Network (GPON) and Ethernet Passive Optical Network (EPON).
- Specify the required components that facilitate FTTx installations.
- Calculate the optical loss budget for a FTTx network.
- Test Fiber to the FTTx or fiber in the loop Networks.

This training course targets Optical Fiber Network manufacturers, designers, installers, infrastructure operators, Internet service providers, content and services providers, local authorities and any person involved in a project around the receipt of fiber optical among enterprises, data centers, individuals and local authorities. Other institutions and individuals who are interested in having an overview of Fiber To The Home (FTTH) are also welcomed to participate in this training course.

Detailed information on this training course is described in the course outline, which can be downloaded from the ITU Academy portal at the following link ([Click here](#))[1]. Registration and Payment should be made online at the aforementioned link no later than **16 June 2022.** Payment instructions details and an information note for participants are also available on the same link.

Should you require any further information, Eng. Ahmed El Raghy, Senior Advisor, at ITU Arab Regional Office, E-mail: (ahmed.elraghy@itu.int) and Ms. Sara Almakki Abdalgader Almakki, Focal Point, at SUDACAD, E-mail: (saraab@sudatel.sd) are at your full disposal.

Looking forward to your active participation in this training course.

Yours faithfully,

Adel M. Darwish
Regional Director
Arab Regional Office

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[1] https://academy.itu.int/training-courses/full-catalogue/fiber-home-ftth-1