

WEBINAR TALK ON

# FIBER TO THE HOME PLANNING AND DESIGN

**3.30 PM – 5.30 PM**

**29 JULY 2022, FRIDAY**

*BEM Approved CPD Hours: 2 Ref. no: IEM22/HQ/258/T (w)*

*Organized by Information and Communication Technology Special Interest Group (ICTSIG)*

## SYNOPSIS

Growing demand for high-speed internet is the primary driver for the new access technologies which enable experiencing true broadband. It leads telecommunication operators to seriously consider the high-volume roll-out of optical-fiber based access networks. Telcos have to renew their access networks that are clearly becoming the bottleneck in terms of bandwidth. Therefore, most telecommunication providers are withdrawing their legacy copper network, giving way to optical fiber networks. To allow faster connections, the optical fiber gets closer and closer to the subscriber. Fiber to the Home (FTTH) appears the most suitable choice for a long term objective: if the clients are wholly served by optical fibers, it will be easier to increase the bandwidth in the future. Fiber to the Home is a term describing a method to provide broadband internet to household premises. It is considered as a family of Gigabit Passive optical Network, where internet data, voice and video are sent to household premises through a combination of passive optical devices, fiber optic cable and active equipment. The design of FTTH network requires several steps which include Loss budget Calculation, Network design and method of implementation.

## SPEAKER'S PROFILE

**En. Asrul Nazrin** graduated with Degree in Electrical & Electronics Engineering (Hons) from Universiti Tenaga Nasional and has wide range of experience in Telecommunication engineering with over 20 years of practice. He is currently attached with Telecommunication Engineering College (TEC) for RF and Fiber Optic Trainings and a practising Consultant involved in many FTTx projects ranging from Residential, Industrial, Education Facilities and Commercial Buildings. He specializes in FTTH Network Planning, Design and Implementation and has worked on various FTTH projects such as Rapid Deployment Fiber, HSBB Project, Jendela Fiber Initiative Project and PR1MA Projects with project located at Kedah, Pahang, Melaka and Johor. He is also an active Member of Malaysian Technical Standards Forum Bhd (MTSFB) for Fiber Network Facilities Group which emphasize on creating a standard guideline for Fiber Optic Network.

**Registration Fee:**

**IEM Member: Rm15**

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