**SIP, IMS & Applications**

**Varighed: 3 Days**  **Kursus Kode: GKSIP3**

**Beskrivelse:**

SIP and VoIP (Voice over IP) are emerging as the future of voice communication, new VoIP operators are popping up every day and 3G is being unveiled as an all VoIP network tightly interwoven with the Internet. But while this is happening, it is even more evident that it isn't by providing signalling and media transport you profit on telecommunications today - you need application contents. The IP Multimedia Subsystem (IMS) is the key network node that controls signalling and provides content to users, but it also plays an important role in connecting fixed and mobile telephony with the Internet. The IMS provides means to develop complex services with ease, if you have the right tools.

The course starts off with the what and whys of IMS. We take a look at the SIP services being launched today and in the near future - basic call services, Push2Talk and IM & Presence. We continue with the intricate workings of the Session Initiation Protocol (SIP), focusing especially on the details required by the IMS and give hands-on experience through laborations. Next the hows of IMS are explained in detail and we elaborate on the overall architecture and aspects such as Security, AAA, and Quality of Service. Finally, we create and test a simple service application live in the classroom.

**Målgruppe:**

This course covers essential knowledge to anyone developing, testing or planning service contents in an IMS environment.

**Agenda:**

- After this course you will have a good understanding of how the IMS platform works, which protocols are involved and what benefits they provide.
- You will be able to create SIP-based applications for both 3G networks and the Internet and you will have a thorough knowledge in the SIP protocol and how it is adapted for 3G use.

**Indhold:**

We will create a VoIP network in the classroom complete with SIP Proxy and Application server. During the course we will create simple applications and analyze signalling and media transport.

**Flere Informationer:**

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00
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