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Introduction to Digital Cellular (technical)

Course Code	DCN-A
Pre-requisites	Technical Background
Module Description	A comprehensive overview of the Cellular Network and its components.
Target Audience	Operational and planning staff in the switching and radio domain.
Objectives	Get a comprehensive overview and understand the available options in handling voice and data over wireless technologies. Explore the variations of FDMA, TDMA, CDMA, and the future 3rd generation of wireless (3G), and understand interoperability issues of various concepts.
Contents	<p>Study GSM frequencies, cell size, and hierarchy, as well as the "toll quality" wireless solutions from combined TDMA/FDMA</p> <ol style="list-style-type: none"> 1. GSM (Global System for Mobile Communications) network architecture <ul style="list-style-type: none"> o Components o Operations 2. Services <ul style="list-style-type: none"> o Authentication o Roaming o Smart card 3. Framing 4. Timing
Next Module	<u>CCS7</u>
Capacity	Maximum: 16 students Minimum: 8 students
Duration	2 Days

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