

5G NG-RAN Architecture in an Hour

CONTENTS

This course provides a one-hour introduction to the Next-Generation Radio Access Network (NG-RAN) which is part of the 3GPP 5G System.

The course outlines why and how the NG-RAN is different from previous generations' radio access networks. It describes the role and functionality of the gNB and various implementation options.

PREREQUISITES

Basic system-level knowledge of LTE/4G and 5G recommended but not required. Also non-technical people can take the course in order to get an orientation about NG-RAN.

Note: This course is not delivered with the FoldOut methodology.

What is the NG-RAN

- Why New Radio and NG-RAN?
- What is new about New Radio?

NG-RAN Architecture

- QoS Handling
- Radio Network Protocols
- C-RAN