ITU ASIA-PACIFIC CENTRES OF EXCELLENCE
ONLINE LEARNING COURSE
"5G AND ICT APPLICATIONS"

COURSE DESCRIPTION

Course Title	Online Training on " **5G and ICT Applications**" for the Asia-Pacific Region
Course Description	This program will focus on **5G and ICT Applications**. It will cover an introduction to 5G and some of its applications.
Course Date	17 June to 28 June, 2019
Course Duration	2 weeks
Registration Deadline	29 May 2019
Enrollment Key	**19OI24350ASP-E**

1.   COURSE TUTOR/INSTRUCTORS

The course will be tutored by:

Mr. Rundong Yu, Senior Engineer, Technology and Standards Research Institute, CAICT

Mr. Gang Wu, Senior Engineer, Huawei Technology

Ms. Xiaowen Sun, Senior Engineer, China Mobile Communication Corp

Experts from Technology and Standards Research Institute, CAICT

2.   TARGET POPULATION

This course is targeted at managers, engineers and employees from regulators, government organizations, telecommunication companies and academia, who are interested in understanding, the ICT application issues relating to 5G.

3.   COURSE OBJECTIVES

- To build knowledge on 5G network solutions and practices;
- To understand 5G application trends
- To build knowledge and skills on 5G integration, innovation etc.

4.   METHOD OF TEACHING

Training material will be made available each week. These will constitute the main source of material for the Course. Each week discussion topics will be provided and a discussion forum opened for participants to participate to exchange views and share information. All participants are expected to participate in the discussion forum.

Online chat sessions with the Tutor will take place every Wednesday from 1400– 1500 Hrs. China Time (GMT+8). All participants are expected to join the chat sessions as they will be graded.

Online tests will be held every week during the course.

IMPORTANT:
During the course, participants are expected to check their mailboxes for new messages on a daily basis.

5.   EVALUATION

Besides the tests and their assignment score, participants will be evaluated according to their substantive posts on the discussion forum, active participation in the online chat sessions and other course activities, reflecting both the quantity and quality of time spent on the course. The evaluation details and criteria for certificates is as follows.

Quiz #1:	30%
Quiz #2	30%
Individual Assignment:	20%
2 Chat Sessions (5% per session)	10%
2 Discussion Forum (5% per forum)	10%
Total Evaluation:	**100%**

Important: A passing mark of 60% is required for obtaining a completion certificate.

6.   COURSE SCHEDULE AND CONTENT

WEEK	MODULE TITLE	TOPICS
1	Module 1： Understanding 5G	▪ China Mobile 5G network Slicing Exploration **Tutor：Ms. Xiaowen Sun**（China Mobile） ▪ 5G is Now

		Tutor：**Mr. Gang Wu**（Huawei Technology）
		Discussion / Forum
		Chat Session, QUIZ 1
2	Module2: 5G and ICT applications	▪ Trend of 5G application and industry development **Tutor**：Technology and Standards Research Institute, CAICT ▪ Technology and industry development of connected and automated vehicles **Tutor: Mr. Rundong Yu** （Technology and Standards Research Institute, CAICT） ▪ The development trend of 5G emergency system **Tutor: TBD**（Technology and Standards Research Institute, CAICT）
		Assignment
		Chat Session, QUIZ 2

7. METHODOLOGY

Course materials: Each week one module will be discussed and the relevant course material will be made available on the website.（M1 and M2 would be on-line during the first week.）

Online Discussion Forums: Participants are expected to participate actively in discussion forums on selected topics throughout the week.

Chat sessions: Chat sessions will be conducted in real time every week where discussions would be held with the instructor (s) on a particular topic. Participants are encouraged to join the discussion and exchange points of view.

Quizzes: Two **mandatory quizzes** will be held during the course

Assignment: There will be a ***mandatory assignment*** **for the course**

Please see the section on Evaluation for details.

Course evaluation and feedback would be done at the end of the course and is a part of the mandatory activity.

8. COURSE COORDINATION

The course will be coordinated by Mr. Ashish Narayan (ashish.narayan@itu.int) from ITU and Ms. You Li (youli@caict.ac.cn) from the CAICT, China.

9. PARTICIPATION FEES

This course is being offered **free** of charge to participants with support from CAICT. The participants (or their entities) will have to cover their own internet access costs for participation.

10. REGISTRATION

Application to participate in this course should be made at "https://academy.itu.int" by following the steps:

Skip STEP 1, *if you already have a username and password*
Step 1: Create a new account on the ITU Academy by clicking on the following link.

https://academy.itu.int/index.php/user/register.

Step 2: Once you are logged in, you can search for the course in the training catalogue or directly proceed to the course link: https://academy.itu.int/index.php/training-courses/full-catalogue/5g-and-ict-applications

Step 3: Click on "Enroll me into this course" and type in the following enrolment key: 19OI24350ASP-E

You will then be able to access the course page.

*Please note that online registration should be done **before 29 May 2019**.*