



ITU Centres of Excellence Network for Asia-Pacific Region
Advanced Level Telecom Training Centre

Online Training Course on
ICT Applications relating to Smart City

17-30 August 2020

COURSE OUTLINE

COURSE DESCRIPTION

Title	“ICT Applications relating to Smart City “
Objectives	<ul style="list-style-type: none">• To build knowledge of participants on smart city development trends;• To build knowledge about latest technology and applications in smart city;
Dates	17-30 August 2020
Duration	2 Weeks
Registration deadline	15 August 2020
Training fees	Free
Course code	200I24884ASP-E

LEARNING OUTCOMES

Upon completion of this training, participants will be able:

- Understand the smart city development trends;
- Develop an understanding of smart city infrastructure, use of 5G in smart city, smart city IoT applications, other applications in smart city including smart agriculture, smart government, smart traffic, smart education, smart security etc.

TARGET POPULATION

This training is primarily targeted at ICT professionals and engineers, decision makers, managers, equipment suppliers and operators interested in learning about ICT applications in smart city. It will also be of interest to other participants seeking to understand and exploit the benefits of smart cities and related ICT applications.

TUTORS/INSTRUCTORS

Experts from CAICT and other Organizations and Companies.

EVALUATION

The assessment of the participants shall be based on the time spent on the training and the following parameters:

Besides the weekly quiz 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. Below are the evaluation schemes:

Quiz # 1	60%
Individual Assignment	20%
2 Chat Sessions	10% (each for 5%)
2 Discussion Forums	10% (each for 5%)
Total Evaluation:	100%

IMPORTANT: A PASSING MARK OF 35% IS REQUIRED FOR OBTAINING A COMPLETION CERTIFICATE.

TRAINING SCHEDULE AND CONTENTS / AGENDA

Agenda

Week	Day, Date	Schedule and content
Week 1	17– 23 August 2020	Smart Sustainable Cities: Forging Solution Together <ul style="list-style-type: none">▪ Definitions of Smart Cities▪ TU Activities on IoT & Smart Sustainable Cities▪ ITU SG20 Standardization Activities Development and Practices of Smart City <ul style="list-style-type: none">▪ Smart City overview▪ Overall Situation of China Smart City▪ Smart City Architecture▪ Smart City Practice

		Smart Agriculture: From Concept to Reality <ul style="list-style-type: none"> ▪ Learning and Insight of Smart Agriculture • Experience-Snoopy
		Discussion / Forum
		Chat Session/Quiz Assignment
Week 2 Week	24-30 August 2020 Day, Date	Smart Energy System Framework and Standardization Activities in Smart Sustainable Cities <ul style="list-style-type: none"> ▪ Analysis on Principle and Framework of Smart Energy ▪ Analysis on Key Technique of Smart Energy ▪ Application of Smart Energy in Smart Sustainable Cities ▪ Standardization Activities on Smart Energy. Smart Government Construction on Bar-Block-Combination Mode <ul style="list-style-type: none"> ▪ Essential features of a smart government ▪ Practical cases Digital Twin and Infrastructure <ul style="list-style-type: none"> ▪ Digital Twin Is A New Trend ▪ Digital Twin Definition and Solution ▪ The Digital Twin Platform <ul style="list-style-type: none"> • Digital Twin Examples
		Discussion / Forum
		Chat Session
		Schedule and content

METHODOLOGY

Course Materials: The relevant course material will be made available on the website.

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

Chat Sessions: Online chat sessions with the Tutor will take place on Wednesday from 14:00 – 15:00 Hrs. Beijing Time (GMT +8). All participants are expected to join the chat sessions as they will be graded.

Quizzes: one mandatory online quiz will be held at the end of each week of the course

Assignment: There will be a mandatory assignment for the course

COURSE COORDINATION

Mr Sean Doral(sean.doral@itu.int) from the ITU, Ms. Wang Ying (wangying@caict.ac.cn) and Ms. Fu Li (fuli@caict.ac.cn) from CAICT, is at your full disposal should you require any additional information.

REGISTRATION

ITU Academy portal account

Registration should be made online at the ITU Academy portal. To be able to register for the course you **MUST** first create an account in the ITU Academy portal at the following address:

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

Training registration

When you have an existing account or created a new account, you can register for the course online at the following link: <https://academy.itu.int/training-courses/full-catalogue/ict-applications-relating-smart-cities-and-communities>

You can also register by finding your desired course in our training catalogue <https://academy.itu.int/index.php/training-courses/full-catalogue>

Payment

This course is offered free of charge.