

ITU Centres of Excellence for Asia-Pacific Training opportunities 2020

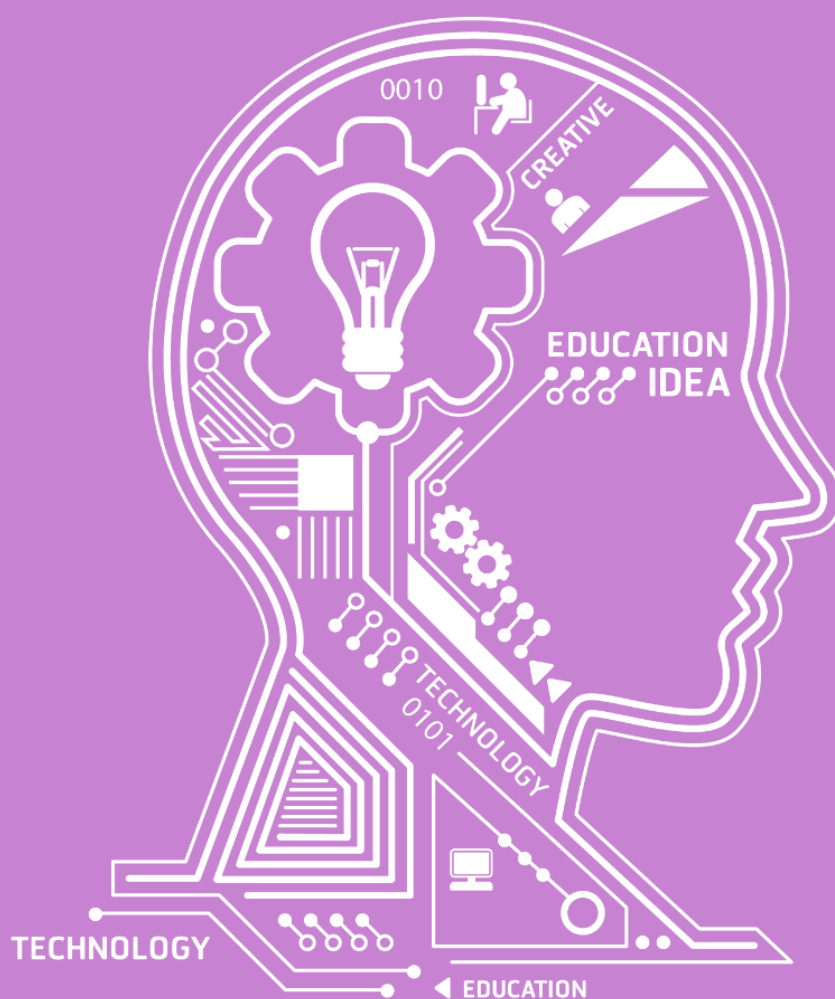


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OVERVIEW OF CoE INITIATIVE

The Centres of Excellence (CoE) programme was launched by the International Telecommunication Union (ITU) in 2000, aiming to support capacity building in the field of information and communication technologies (ICTs). Designed to offer continuous education to ICT professionals and executives in the public and private spheres through face-to-face or distance learning programmes, the Centres serve as regional focal points for professional development, research, and knowledge sharing, as well as provide specialist training services to external clients. With the support from multilateral and regional organizations, CoE networks have been established in all ITU regions. The current network is composed of 28 Centres across the globe.



ITU CENTRES OF EXCELLENCE FOR ASIA-PACIFIC REGION

The second cycle of the new Centres of Excellence programme started in January 2019 and will end in December 2022. Out of the 28 institutions selected to operate as Centres of Excellence during this period, the following institutions were selected in Asia-Pacific to provide trainings in particular six priority areas.

	Name of institution	Country	Priority areas
	Advanced Level Telecom Training Centre (ALTTC)	India	Wireless and Fixed Broadband Internet of Things Cybersecurity
	China Academy of Information and Communications Technology (CAICT)	China	Conformance & Interoperability ICT Applications
	IoT Academy	Iran	Internet of Things
	National Information Society Agency (NIA)	Republic of Korea	ICT Applications
	State Radio Monitoring Center / State Radio Spectrum Management Center (SRMC)	China	Spectrum Management
	Wireless Communication Centre, Universiti Teknologi Malaysia (UTM)	Malaysia	Wireless and Fixed Broadband

SCOPE

This catalogue has been produced by the ITU Regional Office for Asia-Pacific in collaboration with six ITU Centres of Excellence in Asia-Pacific to share information on the capacity building courses provided by the centres in 2020. While participation is open to participants from all countries, stakeholders from the Member States of the Asia-Pacific region (as defined at ITU) are primarily encouraged to participate in the courses.

The courses aim to increase participants' understanding, knowledge and awareness primarily in the following areas:

- Wireless & fixed broadband
- Conformance & Interoperability
- Cybersecurity
- Internet of things
- ICT applications
- Spectrum management

Courses are provided either face to face or online – via the ITU Academy e-learning platform.

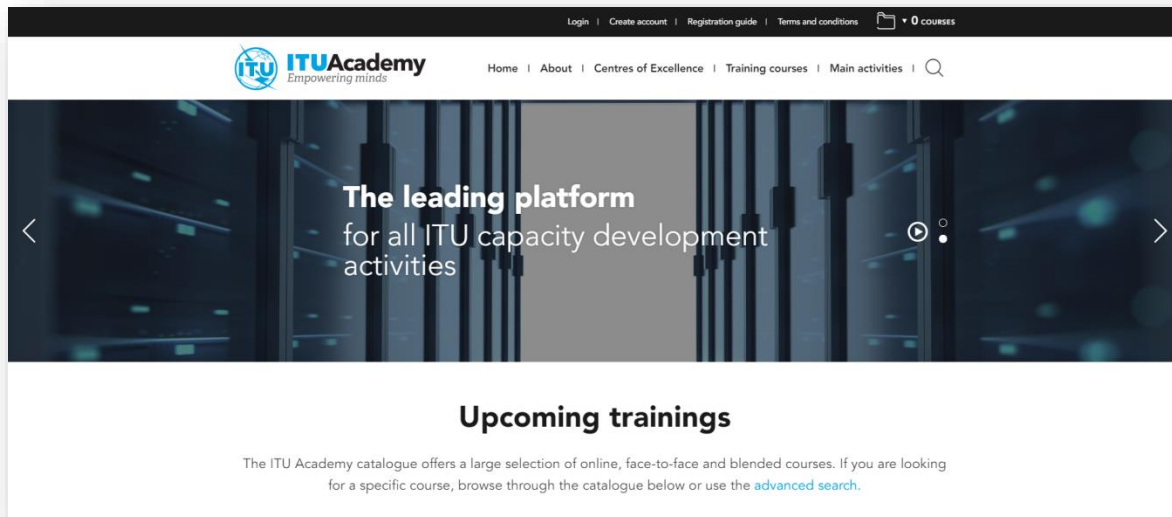
All courses have a test component. A certificate of achievement is given to candidates who successfully complete the end-of-course assessment(s).

Information on the registration process and payment methods can be found on the ITU Academy website: academy.itu.int

Changes in course dates may occur and are reflected on the ITU Academy website: www.academy.itu.int

2020 TRAINING PLAN

No	Online trainings	CoE	Dates	Modality/Venue	Training fees	Partners
1	Conformity and interoperability relating to Smart City	CAICT	6-24 April	Online/ITU Academy	Free	
2	Digital Transformation: Enhancing IoT-Driven Accessibility	IOT ACADEMY	11-17 May	Online/ITU Academy	Free	ITRC
3	Security Protection and Evaluation for Future Network	CAICT	25 May - 5 June	Online/ITU Academy	Free	
4	IoT Sensors and Network for Disaster Communication	ALTTC	20-31 July	Online/ITU Academy	100	
5	ICT applications relating to smart cities and communities	CAICT	17-30 August	Online/ITU Academy	Free	
6	Spectrum Management and Frequency (RF) Monitoring	SRMC	17-28 August	Online/ITU Academy	Free	
7	Advanced Broadband Network QoS and Applications	ALTTC	24 August- 4 September	Online/ITU Academy	100	
8	Cyber Security and Critical Infrastructure Protection	ALTTC	7-18 September	Online/ITU Academy	100	
9	IoT Advanced Applications: : Smart City & Industry 4.0	ALTTC	14-25 September	Online/ITU Academy	100	
10	Fifth Generation (5G) Radio Access Network Planning and Coexistence	UTM	14-28-September	Online/ITU Academy	300	
11	Building IoT Solutions for Smart Sustainable Cities	IOT ACADEMY	28 September-9 October	Online/ITU Academy	100	
12	Data Protection Framework with Security Policy & Audit	ALTTC	5-16 October	Online/ITU Academy	100	
13	Digital infrastructure planning	ALTTC	12-23 October	Online/ITU Academy	100	ITRC
14	5G Technology and Applications in practice	CAICT	12-31 October	Online/ITU Academy	Free	ITRC
15	Developing Internet of Things Ecosystem	IOT ACADEMY	2 - 13 November	Online/ITU Academy	100	
16	Human Exposure to Radio Frequency Electromagnetic Fields	UTM	2 -16 November	Online/ITU Academy	300	
17	Government Innovation based on Emerging Technology	NIA	4-29 November	Online/ITU Academy	Free	
18	Data-driven Governance	NIA	9-13 November	Fae-to-face/Seoul, Rep. of Korea	Free	APCICT



2020 TRAINING COURSES

CONFORMITY & INTEROPERABILITY RELATING TO SMART CITY

| 6- 24 April 2020 |

ITU Academy

ORGANISED BY



LANGUAGE

English

FEES

Free

MODE

Online

DURATION

18 days

REGISTRATION DEADLINE

5 April 2020

COURSE CODE

200I24883ASP-E

Description:

To facilitate effective usage of ICT devices and services, ICT devices and services should follow relevant international standards, regulations and other specifications. This course aims to equip participants with an understanding of ITU's work in the area of conformity and interoperability (C&I) as well as conformity assessment principles including policy, supervision, the requirement concerning development trends related to smart cities taking into account standardization progress, latest technologies and security related issues.

Learning outcomes:

Upon completion of this training course, participants will be able to:

- develop and implement conformity assessment programmes;
- understand the basic concept of C&I framework for ICT technology; and
- develop and apply available practices in areas such as infrastructures, application technology and conformity assessment methods related to smart city.

Audience:

Managers, engineers and employees from regulators, government organisations, telecommunication companies and academia, who are interested in understanding the implementation of conformity and interoperability including technologies, standardization, regulation and content.

Trainers:

- Mr. S. Ismail Shah, ITU
- Ms. WU Jingwen, CAICT
- Ms. Han Siqi, CAICT
- Mr. LU Xu, CAICT
- Ms. WEI Jin, CAICT
- Mr. LIU Tai, CAICT;
- Mr. WANG Ruochen, CAICT;
- Mr. FU Kai, CAICT;
- Mr. HU Yanpu, CAICT

DIGITAL TRANSFORMATION: ENHANCING IoT-DRIVEN ACCESSIBILITY

| 11-17 May |

ITU Academy

ORGANISED BY



PARTNER (S)

ITRC

LANGUAGE

English

FEES

Free

MODE

Online

DURATION

6 days

REGISTRATION DEADLINE

8 May 2020

COURSE CODE

20OI24869ASP-E

Description:

Digital transformation is intended to empower all people by providing opportunities offered by ICTs, such as IoT, to create a more inclusive digital society. This course aims to equip participants with the knowledge on the role of digital transformation in realizing IoT-driven accessibilities for Persons with Disabilities (PWD) through the use of enabling technologies and assistive tools.

Learning outcomes:

Upon completion of this training course, participants will be able to:

- apply the concept of "Digital Transformation" and its role in enhancing IoT- driven accessibilities from fundamentals to frontier digital technologies;
- discuss important fundamentals of accessibility for PWD and how accessible ICTs can provide opportunities for this community;
- identify the potential of IoT-driven enabling technologies as well as assistive tools for the public and persons with disabilities and specific needs in detail; and
- apply some practical use cases and appropriate assistive tools for PWD.

Audience:

Researchers, Organizations, Policymakers, Experts, Engineers, Students in fields of IT, IoT and ICT in Academia, Organizations and Industries

Trainers:

Experts from the IoT Academy and other invited experts

SECURITY PROTECTION AND EVALUATION FOR FUTURE NETWORK

| 25 May-5 June 2020 |

ITU Academy

ORGANISED BY



LANGUAGE

English

FEES

Free

MODE

Online

DURATION

11 days

REGISTRATION DEADLINE

15 May 2020

COURSE CODE

20OI24871ASP-E

Description:

As industries begin to converge through the advancement of ICT, the area of Conformance and Interoperability (C&I) becomes critical in digital transformation. This course aims to equip participants with the knowledge of C&I in ICT by discussing the fundamental principles of C&I, by exposing students with the C&I technology standards, the importance of ICT network security issues as well as assessment and evaluations methods.

Learning outcomes:

Upon completion of this training, participants will be able to:

- develop and implement conformity assessment programs; and
- use the C&I framework, through definitions and methodologies, to ensure ICT network security.

Audience:

ICT professionals and engineers, decision-makers, managers, equipment suppliers, operators etc. that are involved in ICT network security, with at least a Bachelor degree and three years working experience in this field.

Trainers:

- Expert from ITU
- Experts from CAICT
- Experts from other partners

IoT SENSORS AND NETWORK FOR DISASTER COMMUNICATION

| 20 - 31 July 2020 |

ITU Academy

ORGANISED BY



LANGUAGE

English

FEES

100 USD

MODE

Online

DURATION

11 days

REGISTRATION DEADLINE

16 July 2020

COURSE CODE

200I24886ASP-E

Description:

IoT technologies & sensor-based communication can provide a solution for disaster preparedness, such as prediction and early warning systems to compensate for inadequate infrastructure that places developing and emerging countries in a, particularly vulnerable position. This course aims to equip participants with the knowledge of mitigating the risks and effects of natural disasters due to high population density, poor evacuation infrastructure and exposure to severe weather events through the use of IoT sensors.

Learning outcomes:

Upon completion of this training course, participants will be able to:

- apply the concept of advanced deployment of IoT applications in disaster management; and
- be aware of the development taking place on advanced applications of IoT like Smart Grid, IoT applications to mitigate the effect and risks of different kinds of disaster.

Audience:

Executives, managers, engineers and technical staff from regulators, policymakers, telecom operators and academia and Government Organization

Trainers:

This course will be conducted by Subject Matter Experts from ALTTC in collaboration with experts from Govt Organizations & Industry.

ICT APPLICATIONS RELATING TO SMART CITIES AND COMMUNITIES

| 17 – 30 August 2020 |

ITU Academy

ORGANISED BY



LANGUAGE

English

FEES

Free

MODE

Online

DURATION

13 Day

REGISTRATION DEADLINE

13 August 2020

COURSE CODE

200I24884ASP-E

Description:

ICT applications and digital innovations promise to bring impact on development agendas. When applied in the context of developing a smart city, ICT has the potential to improve quality of life, the efficiency of urban operation and services, and competitiveness, meeting the needs of present and future generations on economic, social, environmental as well as cultural aspects. This course aims to equip participants with knowledge on smart city development trends and the latest technology and applications in smart city.

Learning outcomes:

Upon completion of this training course, participants will be able to:

- relate to current smart city development trends;
- apply the concept of smart city infrastructure, use of 5G in smart city, smart city IoT applications; and
- apply ICT applications in different components of smart city such as smart agriculture, smart government, etc.

Audience:

ICT professionals and engineers, decision-makers, managers, equipment suppliers and operators interested in learning about ICT applications in smart city.

Trainers:

- Mr. S. Ismail Shah, ITU
- Ms. Wang Mengdi, CAICT
- Ms. Wang Subin, CAICT
- Mr. Li Wei, XRAI Tech
- Ms. Lu Huimin, ZSOFT
- Mr. Wu Zhonghui, Yoonop

SPECTRUM MONITORING TECHNOLOGIES AND PRACTICE

| 17 - 28 August 2020 |

ITU Academy

ORGANISED BY



LANGUAGE

English

FEES

Free

MODE

Online

DURATION

11 days

REGISTRATION DEADLINE

3 August 2020

COURSE CODE

20OI24878ASP-E

Description:

Spectrum is a valuable commodity in this interconnected world. Operators rely on governments to ensure that the allocated spectrum is managed and assigned responsibly. This course aims to equip participants with the understanding and knowledge of the core functions of spectrum monitoring.

Learning outcomes:

Upon completion of this training course, participants will be able to:

- apply international and national spectrum management framework; and
- use the information on the modern technologies and applications to establish and operate national spectrum monitoring network, including special cases on 5G and UAV.

Audience:

Middle to senior-level professionals and technical staff and managers from national spectrum monitoring and spectrum management agencies responsible for the implementation and operation of spectrum monitoring systems.

Trainers:

Experts from the State Radio Monitoring Center and other invited experts from spectrum monitoring manufactories

ADVANCED BROADBAND NETWORK QoS AND APPLICATIONS

| 24 August - 4 September 2020 |

ITU Academy

ORGANISED BY



LANGUAGE

English

FEES

100 USD

MODE

Online

DURATION

12 days

REGISTRATION DEADLINE

20 August 2020

COURSE CODE

20OI24884ASP-E

Description:

Network operators have begun to roll out advanced broadband network to support the function of the digital economy. Ensuring the quality of Service (QoS) is crucial to ensure the public's trust and protect consumers. This course aims to equip participants with the understanding of QoS policies and regulatory aspects relating to advanced access technologies and emergent architecture of wireless and fixed broadband.

Learning outcomes:

Upon completion of this training course, participants will be able to:

- apply the concepts and technical aspects of wireless and wireline broadband technologies;
- apply the concepts of QoS and QoE;
- apply the methodologies for monitoring and measurements of broadband services from an end-user perspective;
- apply the standards and international regulatory practices on QoS and QoE; and
- enhance their skills on developing a comprehensive regulatory framework.

Audience:

Executives, Managers, Engineers, technical staff, policymakers, telecom operators, Industry and academia.

Trainers:

This course will be conducted by Subject Matter Experts from ALTTC in collaboration with experts from Govt Organizations & Industry.

CYBER SECURITY AND CRITICAL INFRASTRUCTURE PROTECTION

| 07 – 18 September 2020 |

ITU Academy

ORGANISED BY



LANGUAGE

English

FEES

100 USD

MODE

Online

DURATION

12 days

REGISTRATION DEADLINE

3 September 2020

COURSE CODE

20OI24876ASP-E

Description:

Vulnerabilities that exist from connecting to the network increase as more people and devices become connected and smarter. This program aims to equip participants with the necessary knowledge and skills to counter the threats from cybersecurity and protect critical infrastructures.

Learning outcomes:

Upon completion of this training course, participants will be able to:

- understand the impact of cybersecurity threats and the importance of critical infrastructure protection;
- apply national cybersecurity strategies frameworks;
- identify different critical infrastructures and its vulnerabilities as well as threat mitigation techniques; and
- apply these cybersecurity concepts in the context of various applications such as smart grid, smart city and for Industry 4.0.

Audience:

Executives, managers, engineers and technical staff from regulators, policymakers, telecom operators and academia and government organization

Trainers:

This course will be conducted by Subject Matter Experts from ALTTC in collaboration with experts from Govt Organizations & Industry.

IoT ADVANCED APPLICATIONS: SMART CITY & INDUSTRY 4.0

| 14-25 SEPTEMBER 2020 |

ITU Academy

Online trainings

ORGANISED BY



LANGUAGE

English

FEES

100 USD

MODE

Online

DURATION

12 days

REGISTRATION DEADLINE

10 September 2020

COURSE CODE

20OI24870ASP-E

Description:

Smart devices are designed to connect to the network to help provide vital and real-time data to improve the quality of life. This course aims to introduce participants of the role of automation and digitization using IoT advanced applications for digital transformation is enabling the development of smart city and Industry 4.0. This training will provide a good foundation for participants to understand the relationship between IoT technology, Industry 4.0 and digital transformation.

Learning outcomes:

Upon completion of this training, participants will be able to:

- relate to IoT concepts and planning;
- identify the different ideas of advanced applications of IoT in areas such as Smart Grid, Smart City and Industry 4.0; and
- understand the use of blockchain technology in IoT applications.

Audience:

Executives, managers, engineers and technical staff from regulators, policymakers, telecom operators and academia and Government Organization

Trainers:

This course will be conducted by Subject Matter Experts from ALTTC in collaboration with experts from Govt Organizations & Industry

FIFTH GENERATION (5G) RADIO ACCESS NETWORK PLANNING AND TECHNOLOGY COEXISTENCE

| 14 - 28 September 2020 |

ITU Academy

ORGANISED BY



LANGUAGE

English

FEES

300 USD

MODE

Online

DURATION

15 days

REGISTRATION DEADLINE

31 August 2020

COURSE CODE

20OI24866ASP-E

Description:

As countries prepare to embrace the 5G technology as part of digital transformation, this course aims to equip participants with advanced knowledge of planning and implementation of 5G network, by focussing on critical components for 5G deployment such as New Radio (NR) specifications, radio access network planning and technology coexistence.

Learning outcomes:

Upon completion of this training course, participants will be able to:

- describe 5G requirements and network architectures, network software;
- understand what NR Air Interface, Physical Layer, Radio Protocols are;
- explain 5G C-RAN architecture, including its expected requirements and performance;
- specify NR Air Interface technology and parameters;
- differentiate the requirement of 5G RAN planning and optimization in comparison to legacy technologies; and
- identify interference issues between 5G and other technologies and apply available mitigation approaches.

Audience:

Executives, managers, engineers, employees from the ministry, regulators, government organisation, telecom operators, semiconductor industry, vertical industries, academia involved in the planning and implementation of 5G network and services.

Trainers:

- Prof. Dr. Tharek Abd Rahman, UTM
- Assoc. Prof. Dr. Chee Yen (Bruce) Leow, UTM
- Dr. Marwan H. Azmi, UTM
- Dr. Rudzidatul A. Dziyauddin, UTM
- Mr. Tien Han Chua, UTM
- Speakers from industry.

BUILDING IoT SOLUTIONS FOR SMART SUSTAINABLE CITIES

| 28 September - 9 October 2020 |

ITU Academy

ORGANISED BY



LANGUAGE

English

FEES

100 USD

MODE

Online

DURATION

12 days

REGISTRATION DEADLINE

25 September 2020

COURSE CODE

20OI24873ASP-E

Description:

Smart and sustainable cities to support the Sustainable Development Goals is a priority agenda for governments. This course aims to introduce participants to the concept and pillars of Internet of Things taking into account the work of ITU in the areas of Smart Sustainable City. Participants will be introduced to concepts, goals and frameworks to key aspects and KPIs of IoT based on different IoT solutions and use cases for smart sustainable city.

Learning outcomes:

Upon completion of this training course, participants will be able to:

- identify different IoT Concept, Pillars and Trend and the different IoT Verticals related to Smart Cities;
- understand concepts, goals and frameworks related to smart sustainable city, including key aspects and KPIs required to develop smart sustainable cities;
- identify different IoT Solutions in areas such as Smart Energy, Smart Building, Smart Water, Smart Waste, Smart Transportation and Smart Healthcare for Smart Sustainable City; and
- relate to various case studies in the area of smart sustainable cities.

Audience:

Municipals, Organizations, Industries, ICT Experts, Policymakers, Regulators, Service & Solution Providers and Academia that are involved in the Internet of Things

Trainers:

Experts from the IoT Academy and other invited experts

DATA PROTECTION FRAMEWORK, SECURITY POLICY & AUDIT

| 05 - 16 OCTOBER 2020 |

ITU Academy

ORGANISED BY



LANGUAGE

English

FEES

100 USD

MODE

Online

DURATION

12 days

REGISTRATION DEADLINE

01 October 2020

COURSE CODE

20OI24872ASP-E

Description:

As our world becomes more connected data security and privacy becomes critical. This course aims to equip the participant with the knowledge on data security, cyber hygiene and protection of the personal data . Participants will also learn the advantages and challenges of complying with available international data privacy laws and regulations like standards of ISO 27001 and EU's GDPR.

Learning outcomes:

Upon completion of this training, participants will be able to:

- understand the concept of data security and personal data protection;
- perform an audit according to ISO 27001 and GDPR standards;
- understand the security concept of blockchain technology related to the economics and its architecture; and
- understand the aspect of cybersecurity.

Audience:

Executives, managers, engineers and technical staff from regulators, policymakers, telecom operators and academia and Government Organization.

Trainers:

This course will be conducted by Subject Matter Experts from ALTTC in collaboration with experts from Govt Organizations & Industry.

DIGITAL INFRASTRUCTURE PLANNING

| 12 - 23 OCTOBER 2020 |

ITU Academy

ORGANISED BY



PARTNER (S)

ITRC

LANGUAGE

English

FEES

100 USD

MODE

Online

DURATION

12 days

REGISTRATION DEADLINE

8 October 2020

COURSE CODE

20OI24874ASP-E

Description:

As the world enters into the next industrial revolution, the Industry 4.0, governments and private sectors look to undergo digital transformation to participate in the digital economy effectively. At the national level, it requires holistic planning of digital infrastructure to ensure national development and inclusion. This course aims to equip participants with the knowledge and skills to undertake digital infrastructure planning in the digital economy.

Learning outcomes:

Upon completion of this training course, participants will be able to:

- identify key components of digital infrastructure that enables the digital economy including telecom networks, digital governments, smart cities, industry verticals, platforms, and devices;
- identify key policy and regulatory ecosystem that is necessary to support national digital infrastructure planning and implementation;
- relate to successful case studies and practical experiences.

Audience:

Executives, managers, engineers, technical staff, policymakers, telecom operators, Industry and academia.

Trainers:

This course will be conducted by Subject Matter Experts from ALTTC in collaboration with experts from Govt Organizations & Industry

5G TECHNOLOGY AND APPLICATIONS IN PRACTICE

| 12 - 31 October 2020 |

ITU Academy

ORGANISED BY



PARTNER (S)

ITRC

LANGUAGE

English

FEES

Free

MODE

Online

DURATION

20 days

REGISTRATION DEADLINE

28 September 2020

COURSE CODE

200I24880ASP-E

Description:

IMT 2020 (5G) technology is predicted to become a catalyst for socio-economic growth in the next decade. This course aims to equip participants with the knowledge of application scenarios, key technologies and network architecture of 5G and 5G+AI Opportunities and Challenges.

Learning outcomes:

Upon completion of this training course, participants will be able to:

- understand the IMT2020 (5G) technology and application;
- build knowledge about key technology and applications in 5G;
- use the combination of theory, use cases and learning methods to acquire knowledge on practical 5G deployments; and
- increase the opportunities for international cooperation.

Audience:

ICT professionals and engineers, decision-makers, managers, equipment suppliers, operators etc. who are interested in ICT applications of 5G

Trainers:

- Expert from ITU
- Experts from CAICT
- Experts from HUAWEI
- Experts from ITRC
- Experts from other partners

DEVELOPING IoT ECOSYSTEM

| 02 - 13 November 2020 |

ITU Academy

ORGANISED BY



LANGUAGE	
English	
FEES	
100 USD	
MODE	
Online	
DURATION	
12 days	
REGISTRATION DEADLINE	
30 October 2020	
COURSE CODE	
20OI24887ASP-E	

Description:

Internet of Things will form a key component that will enable the 4th industrial revolution. This online training course aims to introduce participants to Internet of Things ecosystem and its key components including acquisition (Sensors & Actuators, Embedded Systems, Gateways), network (Device Connectivity), IoT platform (Analytics, Dashboards & Tools, Services), and business (IoT Applications and Services, IoT Verticals, Marketplaces). The training will take into account policies and regulations related to Internet of Things and the security aspects. It will specifically focus on some IoT verticals and cover the elements described above for them.

Learning outcomes:

Upon completion of this training course, participants will be able to:

- understand the concept of IoT ecosystem;
- familiarise with the key players of IoT ecosystem includes acquisition, network, IoT platform and business and their components;
- understand IoT policies and regulations and their considerations;
- familiarise with security consideration of Internet of Things in IoT ecosystem; and
- present IoT ecosystem for some IoT verticals as use case and describe the elements described above for them.

Audience:

Organizations, Industries, ICT Experts, Policy makers, Regulators, Service & Solution Providers and Academia involved in Internet of Things

Trainers:

Experts from the IoT Academy and other invited experts

HUMAN EXPOSURE TO RADIO FREQUENCY ELECTROMAGNETIC FIELDS

| 02 - 16 November 2020 |

ITU Academy

ORGANISED BY



LANGUAGE

English

FEES

300 USD

MODE

Online

DURATION

15 days

REGISTRATION DEADLINE

19 October 2020

COURSE CODE

20OI24867ASP-E

Description:

Wireless devices consist of antenna that emits electromagnetic wave, which is exposed to the user's body. This exposure to human raises concerns on the adverse health effect. The training course aims to equip participants with an understanding of the effect of radio frequency electromagnetic field (EMF) exposure to human and its relation to body tissue dielectric parameters and frequency, related policies and public education on human exposure to EMF.

Learning outcomes:

Upon completion of this training, participants will be able to:

- understand the EMF exposure effect to human
- relate the EMF exposure effect to parameters correlated to human body and antenna
- gain awareness of the related policies
- discuss the recent studies on the effect of EMF exposure to human
- get exposure of public education related to EMF exposure

Audience:

Executives, managers, officials, engineers, employees from policy makers, regulators, government organisation, telecom operators, vertical industries, telecom investment companies, researchers and academia.

Trainers:

- Prof. Dr. Jafri Din, UTM
- Prof. Dr. Tharek Abd Rahman, UTM
- Assoc. Prof. Dr. Norhudah Seman, UTM
- Mr Chua Tien Han, UTM
- Invited expert speakers from ITU, ITRC and industry.

GOVERNMENT INNOVATION BASED ON EMERGING TECHNOLOGY

| 4 – 29 November 2020 |

ITU Academy

ORGANISED BY



LANGUAGE

English

FEES

Free

MODE

Online

DURATION

25 days

REGISTRATION DEADLINE

3 November 2020

COURSE CODE

20OI24885ASP-E

Description:

Telecommunication and ICT networks and services can enable the government to expand access to its government services, health care, education, agricultural services, financial and banking services, and market information to the public. This course aims to equip participants with the skills to improve the quality of public service through government innovation using emerging technologies and recognize the importance of building a trustworthy government.

Learning outcomes:

Upon completion of this training course, participants will be able to:

- apply the concept of government innovation and change management;
- understand the different emerging technologies such as cloud, blockchain, AI and data;
- discuss the many best practices of major countries' government innovation using emerging technologies; and
- understand relevant issue related to government innovation and change management.

Audience:

Senior officials of the ITU members, who are interested in government innovation and emerging technologies

Trainers:

National Information Society Agency

DATA-DRIVEN GOVERNANCE

| 9 – 13 November 2020 |

Seoul, Republic of Korea

ORGANISED BY



LANGUAGE

English

FEES

Free

MODE

Face-to-face

DURATION

5 days

REGISTRATION DEADLINE

30 October 2020

COURSE CODE

20WS24875ASP-E

Description:

Governments recognize the importance of big data analytics to develop impactful citizen-centric policies. This program aims to equip participants with an understanding of evidence-based decision-making processes and enhance competency to develop citizen-centric policies.

Learning outcomes:

Upon completion of this training course, participants will be able to:

- explain the concept of open data and evidence-based policymaking;
- apply skills on data analytics in the context of the public sector ;
- practice available best practices of open data portal from major countries;
- relate to various issues on open data in the area of privacy and cybersecurity as possible solutions; and
- developed competencies in developing a data ecosystem.

Audience:

Senior officials of the ITU members, who are interested in open data and scientific decision making.- Executives, managers, engineers, technical staff, policymakers, telecom operators, industry and academia.

Trainers:

Experts from National Information Society Agency and APCICT

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