



ITU - ICT Faculty Workshop on
***“Capacity Building and Skill Development
 for Digital Transformation in Digital Economy”***

6-10 July 2019, Tehran, Islamic Republic of Iran



Introduction

International Telecommunication Union (ITU) and Faculty of Applied Science of Post and Telecommunication, the training centre, Iran's ICT Ministry, are jointly organizing an international 4 day, face-to-face workshop program in Tehran, I.R. Iran in July 2019.

The main objectives of this face-to-face workshop are to:

- Inform and create awareness of the use of telecommunications or ICT in support of the digital economy and society;
- Share international best practices on Digital Transformation; and
- Build capacity and skills development in the digital era through digital transformation.

The workshop is designed to enhance understanding of participants by sharing best practices and build capacity for ICT stakeholders.

Topics

To achieve the main objectives, the program has been designed to enhance the understanding of participants of new technologies and innovation methodologies. The headline topics are:

- The role of innovation and new technologies for achieving SDGs
- Digital transformation and the digital economy
- Fostering innovation in the workplace and the community
- Modern design processes and methodologies
- Technology skill development for employment and business growth
- Introduction to mobile app development

Methods

The workshop program consists of both lectures and practical, hands-on activities that enhance the learning experience. Participants will have the opportunity to work with others and share ideas.

Experts

A number of ITU experts will present the program.

Expert	Details
Mr. Sameer Sharma	Senior Advisor ITU
Mr. Peter Argent	Innovation and Digital Skills Consultant Brisbane, Australia https://www.linkedin.com/in/peterargent/
Mr. Muhammad Shahryar Khan	Mobile Application Development Expert Islamabad, Pakistan https://www.linkedin.com/in/muhammad-shahryar-khan-78984a7/

Country Representatives	Countries from Asia-Pacific Region
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Agenda

DAY 1

Time	Session
08:30 - 09:00	Registration
09:30 - 10:30	Opening Ceremony <ul style="list-style-type: none"> Opening Remarks: Mr. Sameer Sharma, Senior Advisor, ITU Opening Address: Mr. Claudio Providas, UNDP Resident Representative. I.R. Iran Welcome Remarks: Mr. Sadegh Abbasi Shahkooh, Head of ICT Faculty, I.R. Iran Welcome Address: Mr. Sattar Hashemi, Technology and Innovation Deputy Minister, I.R. Iran
10:30 - 11:00	Group Photo and Morning Break
11:00 - 12:00	Session 02: Achieving SDGs Through Digital Transformation in Digital Economy and Building Digital Skills <ul style="list-style-type: none"> What is Digital Transformation? Need for cross sectoral collaboration Key ITU initiatives with the UN agencies and partners Digital skills for empowerment of youth Mr. Sameer Sharma, Senior Advisor, ITU
12:00 - 13:00	Session 03: Accelerating Digital Transformation in a Global Context <ul style="list-style-type: none"> Organisations backing digital transformation strategies around the world DT Data Challenges and opportunities Mr. Peter Argent
12:00 - 13:00	Session 04: The Digital Talent Gap: Looking at Leaders and Laggards Based on a Global Survey of Enterprise Workforce Digital Skills Readiness Mr. Mohsen Malaki, Synergy Consulting, Dubai, UAE
13:30 - 14:30	Lunch Break
14:30 - 15:30	Session 05: The Role of New Technologies (Blockchain, IoT) in Digital Transformation <ul style="list-style-type: none"> Blockchain, Crypto Currencies and Digital Payments IoT for Digital Transformation Social Impact of improving Innovation in Agriculture, Health, Education and Disaster Management Mr. Shahryar Muhammad Khan
15:30 - 16:00	Afternoon Break
16:00 - 17:00	Session 06_1: <ul style="list-style-type: none"> Group presentations Applying emerging technologies in achieving SDGs

	<p>Session 06_2:</p> <ul style="list-style-type: none"> • Business continuity importance in digital transformation <p>Mr. Ashraf Hasanov</p>
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DAY 2

Time	Session
09:00 - 9:45	<p>Session 07: Digital Transformation in India</p> <ul style="list-style-type: none"> • India country overview • Role of regulators in digital transformation • Regulatory frameworks for emerging technologies • Digital India program • What other countries can learn from India's success <p>Mr. Sanjeev Kumar, Advisor (Administration and International Relations), TRAI</p>
9:45 - 10:30	<p>Session 08: Digital Transformation Strategy in Nepal</p> <ul style="list-style-type: none"> • Nepal country overview • Digital transformation for achieving sustainable development goals • Role of regulators in innovation ecosystem • Success stories from Nepal <p>Mr. Hiranya Prasad Bastakoti (Nepal Telecommunication Authority)</p>
10:30 - 11:00	Morning Break
11:00 - 11:45	<p>Session 09: DT Strategy in Bangladesh</p> <ul style="list-style-type: none"> • Bangladesh Country Overview • Digital Bangladesh • Opportunities, Challenges and Success Stories <p>Mr. A. B. M. Badiuzzaman (Ministry of Posts, Telecommunications and Information Technology)</p>
11:45 - 12:30	<p>Session 10: DT Strategy in Indonesia</p> <ul style="list-style-type: none"> • Indonesia country overview • Digital transformation in Indonesia • Opportunities, challenges and success stories <p>Mr. Sugeng Budi Prasetyo (Ministry of Communication & Informatics)</p>
12:30 - 13:30	Lunch Break
13:30 - 14:15	<p>Session 11: DT Strategy in Pakistan</p> <ul style="list-style-type: none"> • Country overview of Pakistan • Digital Pakistan policy • Ignite Initiatives - National Incubation Centers, Digiskills.pk • USF (Universal Service Fund) <p>Mr. Salman Ahmed Khan (National Information Technology Board (NITB), Ministry of IT & Telecom)</p>

Time	Session
14:15 - 15:00	Session 12: Digital Transformation Strategy in Australia <ul style="list-style-type: none"> Country overview of Australia Digital transformation in Australia What other countries can learn from Australia Mr. Peter Argent
15:00 - 15:30	Afternoon Break
15:30 - 16:15	Session 13: Digital Strategies in Malaysia <ul style="list-style-type: none"> Malaysia country overview Digital transformation in Malaysia What other countries can learn from Malaysian Digital Transformation Miss. Aiza Zeyati Mohamed Zamani (Ministry of Communications and Multimedia Malaysia)
16:15 - 17:00	Session 14_1: Digital Transformation Strategy in Iran <ul style="list-style-type: none"> Iran country overview Challenges, opportunities and success stories What other countries can learn from Iran's digital transformation Mr. Jamal Sophieh(MICT), <ul style="list-style-type: none"> Session 14_2: MCI is Moving Towards Digital Reinvention Industrial revolution What does DT mean for companies? DT journey for Telcos DT of CEX in telecom operators DT of internal operation in Telcos Successful DT impacts on Telcos Digital Maturity Model of MCI 2 MCI DT strategy Iran position in DT and digital economy Mr. Hamidreza Nikoofar ,Deputy CEO, Mr.Mehdi Gheinaghi, Member of Board of Directors, Mr.Yaser Dibaji, Head of Strategy

DAY 3

Time	Session
09:00 - 10:00	Session 15: Innovation in the Workplace <ul style="list-style-type: none"> What is a culture of innovation? Tools of an innovative workplace Cultivating the innovative culture <i>TEAM CHALLENGE: Devise a plan for innovation in your workplace</i> Mr. Peter Argent
10:00- 10:30	Session 16: Digital Transformation Imperative: Transitioning Traditional Industries to a Next-Generation Operating Model in the Age of Disruption Mr. Amir Araghi (Management Consulting Professional - Advisory, Digital

Time	Session
	Strategy and Innovation)
10:30 - 11:00	Morning Break
11:00 -12:30	Session 17: Creating Opportunities with Digital Skills <ul style="list-style-type: none"> • Collaboration between government, universities, ICTs and citizens • Technology skills for business and employment growth • Investment in community technology hubs for social impact • <i>TEAM CHALLENGE: Devise a plan for creating opportunities in your community</i> Mr. Peter Argent
12:30 - 13:30	Lunch Break
13:30 - 15:00	Session 18: Introduction to Mobile Application Development <ul style="list-style-type: none"> • Why develop Mobile applications? • Different Smartphone platforms available • Native VS Web Apps VS Hybrid Apps • Demand for Mobile Apps in Iran • Bhutan and Sri Lanka Case study Mr. Shahryar Muhammad Khan
15:00 - 15:30	Afternoon Break
15:30 - 17:00	Session 19: The Value of Design (Thinking) <ul style="list-style-type: none"> • What is design thinking and why is it valuable? • Overview of design methodologies • <i>TEAM CHALLENGE: Design thinking challenge</i> Mr. Peter Argent and Mr. Shahryar Muhammad Khan

DAY 4

Time	Session
09:00 - 10:30	Session 20: Technology Design Process <ul style="list-style-type: none"> • Business model design • User experience design • Lean & Agile methodologies • <i>TEAM CHALLENGE: Business Model Canvas</i> Mr. Peter Argent and Mr. Shahryar Muhammad Khan
10:30 - 11:00	Morning Break
11:00 - 12:30	Session 21: MINI HACKATHON Begins: Innovation for Iran's Digital Transformation Teams will: <ul style="list-style-type: none"> ● Introduction and instructions for hackathon ● Identify community challenges to be solved ● Team formation and ideation Mr. Peter Argent and Mr. Shahryar Muhammad Khan

Time	Session
12:30 - 13:30	Lunch Break
13:30 - 15:00	Session 22: MINI HACKATHON Continued: Innovation for Iran's Digital Transformation Teams will: <ul style="list-style-type: none"> ● Design their solution ● Validate with potential end users ● Define a minimum viable product ● Develop a simple prototype Mr. Peter Argent and Mr. Shahryar Muhammad Khan
15:00 - 15:30	Afternoon Break
15:30 - 17:00	Session 23: MINI HACKATHON Continued: Innovation for Iran's Digital Transformation Teams will: <ul style="list-style-type: none"> ● Plan the remaining development using Lean and Agile methods ● Prepare a presentation of the solution Mr. Peter Argent and Mr. Shahryar Muhammad Khan

DAY 5

Time	Session
09:00 - 10:30	Session 24: MINI HACKATHON Final: Innovation for Iran's Digital Transformation Teams will: <ul style="list-style-type: none"> ● Have some time for final preparations ● <i>Have 5 Minute presentations by each team</i> Mr. Peter Argent and Mr. Shahryar Muhammad Khan
10:30 - 11:00	Morning Break
Time	Session
11:00 - 12:00	Session 25_1:DT Case Studies in Iran <ul style="list-style-type: none"> ● Smart Tehran (City) Mr. Mohammad Farjood (Tehran Municipality ICT Organization), Session 25_2:DT Capacity Building <ul style="list-style-type: none"> ● Soft Skills as DT Driver Mis. Farzaneh Abolfazl
12:00- 13:30	Lunch Break
13:30 - 14:00	CLOSING CEREMONY

14:00 - 17:00

Site Visit