



CERTIFIED 5G FOR MANAGEMENT MASTERCLASS



Future-proof yourself with a globally-recognized certification that will put you miles ahead in your career trajectory and help you prepare your organization with a practical approach for 5G adoption.

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20-21 May 2024
Wisma Unirazak,
Kuala Lumpur

Endorsed By:



Training Material

Global Recognition

Lifetime Portal Access

World-class Trainers

Verifiable Certificate

Industry-centric Syllabus

INTRODUCTION

This certified training course provides an overview of 5G technology, use cases, services, products, and solutions for those who want to understand the impact of 5G technology. It helps participants understand effective strategies, planning, procurement, management, and deployment.

The course covers a wide area of Management of 5G in terms 5G products, segments, services, role of cloud computing and Edge computing. It also introduces the frequency range used, millimeter wave, range and Health related issues from EMF radiation. The course will also review the 5G deployment in Malaysia.



www.nltvcedu.com



info@nltvcedu.com



+604-6119169



CERTIFIED 5G FOR MANAGEMENT MASTERCLASS

RM2,600
ONLY!



**Fully certified
in just 2 days!**

WHO IS IT FOR?

Suitable for CXOs, Government Officials, Managers and non-engineers including sales, marketing, business development, analysts, finance, HR, procurement, and other disciplines who need a clear picture of 5G technology. The course is also useful for those who have experience with 5G but have never had any formal training.

RELEVANT INDUSTRIES

- Transport
- Video Surveillance
- Financial Services & Banking
- Media & Entertainment
- Public Safety
- Healthcare
- Automotive
- IoT & Fleet Management
- Smart Manufacturing
- Energy & Utilities

TRAINERS & SPEAKERS



**Prof Emeritus Dr
Sureswaran Ramadass**

PROFESSOR EMERITUS
Malaysia University of
Science & Technology



**Dr Navaneethan
C Arjuman**

EXPERT
International
Telecommunication Union



**Prof Dr Omar
Amer Abouabdalla**

DEPUTY VC
LimKokWing
University



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**TRAINERS &
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**Prof Emeritus Dr
Sureswaran Ramadass**

PROFESSOR EMERITUS
Malaysia University of
Science & Technology

Professor Emeritus Dr Sureswaran Ramadass is Professor Emeritus at the Malaysian University of Science and Technology (MUST). His current area of focus includes IPv6 and 5G. His last position was as the Chairman of the ITU/UN (International Telecommunications Union) IPv6 and IOT Center of Expertise. Prior to this, he was the founding Director and Professor at the National Advanced IPv6 Centre of Excellence (NAV6), Universiti Sains Malaysia. As the Director of Nav6, he was instrumental in the successful implementation of IPv6 in Malaysia. He obtained his BsEE/CE (Magna Cum Laude) and Masters in Electrical and Computer Engineering from the University of Miami in 1987 and 1990 respectively. He graduated top student in the College of Engineering. He obtained his PhD from Universiti Sains Malaysia (USM) in 2000 while serving as a full time faculty .

Some of his recognitions include being awarded :-

- The "Anugerah Tokoh Negara" (National Academic Leader) for Innovation and Commercialization in 2008 by the Minister of Higher Education. This award is given in recognition to contributions to Innovation and commercialisation in the area of science and technology
- Emeritus Chair, IPv6 Forum Education Programme.
- The Wireless World Research Forum Fellow in April 2010. This fellowship award was presented in recognition to his contribution in the area of Next Generation Networks and IPv6.
- Malaysian Innovation Award by the Prime Minister in 2007 and again by the Minister of Science and Technology in 2009. These Awards were given in recognition for his contribution towards innovations in the areas of Multimedia Conferencing Systems and Real-time Advanced Security Monitoring.



**Prof Dr Omar Amer
Abouabdalla**

DEPUTY VICE CHANCELLOR
Limkokwing University

Professor Dr Omar obtained his PhD degree and Masters in Computer Sciences from University Science Malaysia (USM) in the year 2004 and 1999 respectively. Currently, he is the Deputy Vice-Chancellor of Limkokwing University. He is a certified trainer for IPv6 and IoT security. He Trained thousands of technical professionals on Next Generation Internet, Network & Data Security and IoT Security. He is a member of IPv6 Forum Malaysia, member of Internet Society (ISOC) and member of Internet Engineering Task Force (IETF). He is actively involved in conducting professional courses on IoT Security, IPv6 and other Computer Network related technologies. He has authored and co-authored more than 60 articles in journals, conference proceedings and book chapters as well as published 3 books.





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**TRAINERS &
SPEAKERS**



**Dr Navaneethan
C Arjuman**

EXPERT

*International
Telecommunication Union*

Dr. Navaneethan C. Arjuman is currently a Senior Lecturer at Multimedia University (MMU) and an expert at the International Telecommunication Union (ITU), a United Nations agency.

He holds a PhD in the field of Plug-and-Play Networking Components (IPv6 Cyber Security) from the National Advanced IPv6 Centre, University Science Malaysia. He holds a 1st Class Honours degree in Communication and Signal Processing from Staffordshire University in the United Kingdom. His research interests are in the areas of AI, cyber security, IPv6, 5G, and IoT.

He was awarded the IPv6 Evangelist by the IPv6 Hall of Fame in 2020 for his contribution to the new IPv6 Internet.

He is the Global Coordinator of the Global IPv6 Forum's IPv6 Education Certification Logo Program. He is also currently the Secretary and Head of Training for IPv6 Forum Malaysia, the IPv6 Forum's chapter in Malaysia. He is also a former treasurer and is currently Head of Training for the Malaysia Smart Industry Association. He is currently the chair of the IPv6 Working Group of the Asia-Pacific Advanced Network (APAN). He is also an active member of the Numbering and Electronic Addressing (NEA) and IoT Working Group of Malaysian Technical Standards Forum Bhd (MTSFB). He is currently an active member of Working Group 4 (Network Technology) of the World Broadband Association. He is currently a member of the IPv6 Enhanced Innovation and IPv6 Industry Specification Working Group of ETSI (The European Telecommunications Standards Institute).

He is also the Global IPv6 Forum's Certified Trainer for Certified Network Engineer for IPv6 (CNE6), Certified Security Engineer for IPv6 (CSE6), Certified Network Programmer for IPv6 (CNP6), and Certified System Administrator for IPv6 (CSA6). He is also the Certified Trainer for 5G courses such as Certified 5G Deployment Engineer for IPv6 (C5GDE6), Certified 5G Network Engineer (C5GNE) Silver, and Certified 5G Network Engineer (C5GNE) Gold that were endorsed by the Global IPv6 Forum and the 5G World Alliance. He was the Certified Senior Trainer at the ITU-MUST IPv6 and IOT Centre of Expertise for courses such as Certified IoT Fundamental, Certified IPv6 Fundamental, Certified IPv6 Deployment for 5G Network, Certified IoT Security, etc.

He was former Director of NLTVC Education Sdn Bhd and NM Ninety-Six solutions. He served as Senior Trainer/Researcher with the ITU/UN IPv6 and IOT Centre of Expertise at the Malaysian University of Science and Technology (MUST). He is also a former lecturer at Taylor's University and Sedaya International College (now known as UCSI University). He has also served as CEO and Director of KHEC Systems Sdn Bhd and KHEC Solutions (India) Pvt. Ltd., an IT solutions provider. Prior to this appointment, he served as iNetmon Sdn Bhd's CEO and Director, and before that, as Senior Manager at BayCom Sdn. Bhd., a provider of satellite services. He was also previously a Senior Executive with Maxis Communications Bhd. and has served as Assistant CAD/CAM Manager at Saeilo Japan Sdn Bhd. and Assistant Sales Manager at BMC Systems Sdn Bhd.





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COURSE OUTLINE

Day 1: Morning Session

9:00 am to 11:00 am	<p>Introduction to 5G technology</p> <ul style="list-style-type: none"> • Evolution of mobile technologies from 1G to 5G • 5G technology features • Comparing 5G and 4G • 5G spectrum allocation and assignment • 5G preparation, deployment, and utilization <ul style="list-style-type: none"> • 5G deployment scenarios: <ul style="list-style-type: none"> ■ Enhanced Mobile Broadband (eMBB) ■ Massive Machine-Type Communications (m-MTC) ■ Ultra Reliable Low Latency Communications (URLLC) ■ Fixed-wireless access (FWA) • Technologies driving the 5G evolution
MORNING TEA BREAK (15 minutes)	
11:15 am to 1:00 pm	<p>Socio economic impact from the introduction of 5G</p> <ul style="list-style-type: none"> • Societal change and economic contributions • Global 5G deployment • 5G application and specialized services • 5G value chain outlooks <ul style="list-style-type: none"> ■ AI/ML ■ Big Data ■ High-performance computing (HPC)
LUNCH (1 Hour)	

Day 1: Afternoon

2:00 pm to 3:30 pm	<p>Advanced 5G Technologies</p> <ul style="list-style-type: none"> • 5G Overall Architecture • Network Slicing • Network Functions Virtualization (NFV) • Frequency Allocation for 5G Networks <ul style="list-style-type: none"> • 5G Technology Stack • IPv6 for 5G • 5G Worldwide Implementation
EVENING TEA BREAK (15 minutes)	
3:45 pm to 5:00 pm	<p>5G EMF Radiation Health Issues</p> <ul style="list-style-type: none"> • 5G EMF base station Radiation • 5G Device Radiation. • Relationship between 5G Device and Base station • SAR Compliance <ul style="list-style-type: none"> • Ionizing Radiations • Organizations working on EMF exposure issues • ITU activities on EMF exposure issues

Day 1 Assignment: Key Strengths of 5G – A review

END OF CERTIFIED 5G FOR MANAGEMENT MASTERCLASS DAY 1





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COURSE OUTLINE

Day 2: Morning Session

9:00 am to 11:00 am	Business models for 5G deployment <ul style="list-style-type: none">• B2C, B2B and B2B2X 5G deployment business models• Business-to-consumer (B2C)• Business-to-business (B2B)• Business-to-business-to-any (B2B2X)
MORNING TEA BREAK (15 minutes)	
11:15 am to 1:00 pm	5G Implementation scenarios and Case Studies <ul style="list-style-type: none">• AR/VR• Video surveillance• Public Transport• Financial Services and Banking• Media and Entertainment• Public Safety• Automotive• Healthcare• IoT and fleet management• Smart Manufacturing• Energy and Utilities
LUNCH (1 Hour)	

Day 2: Afternoon Session

2:00 pm to 3:30 pm	5G Deployment in Malaysia <ul style="list-style-type: none">• 5G Deployment Architecture in Malaysia• Comparison of 5G Deployment in Malaysia vs Other Models• How would a SME or Organization benefit from 5G connectivity?• What are the manpower and technical investments needed to implement 5G?
EVENING TEA BREAK (15 minutes)	
3:45 pm to 5:35 pm	Certified 5G for Management Workshop <p>Case study on Implementing 5G for your organization (30 Mins)</p> <ul style="list-style-type: none">■ Group Assignment.■ An experienced Coordinator will be assigned to each group to assist in developing the case study. <p>Presentation & Discussion (60 Mins)</p> <ul style="list-style-type: none">■ Each Group will present their case study.■ Includes Discussions , Q&A.

END OF CERTIFIED 5G FOR MANAGEMENT MASTERCLASS

