

ITU-MUST IPV6 AND IOT EXPERTISE CENTRE JOINT COLLABORATION WITH JAPAN

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**MALAYSIA
UNIVERSITY**
of SCIENCE and TECHNOLOGY


ABOUT ITU

- International Telecommunication Union (ITU)
 - Specialized agency of the United Nations responsible for ICT
 - Based in Geneva, Switzerland
 - Membership:
 - 193 Member States
 - Around 700 Sector Members and Associates
 - Japan is a Member of ITU

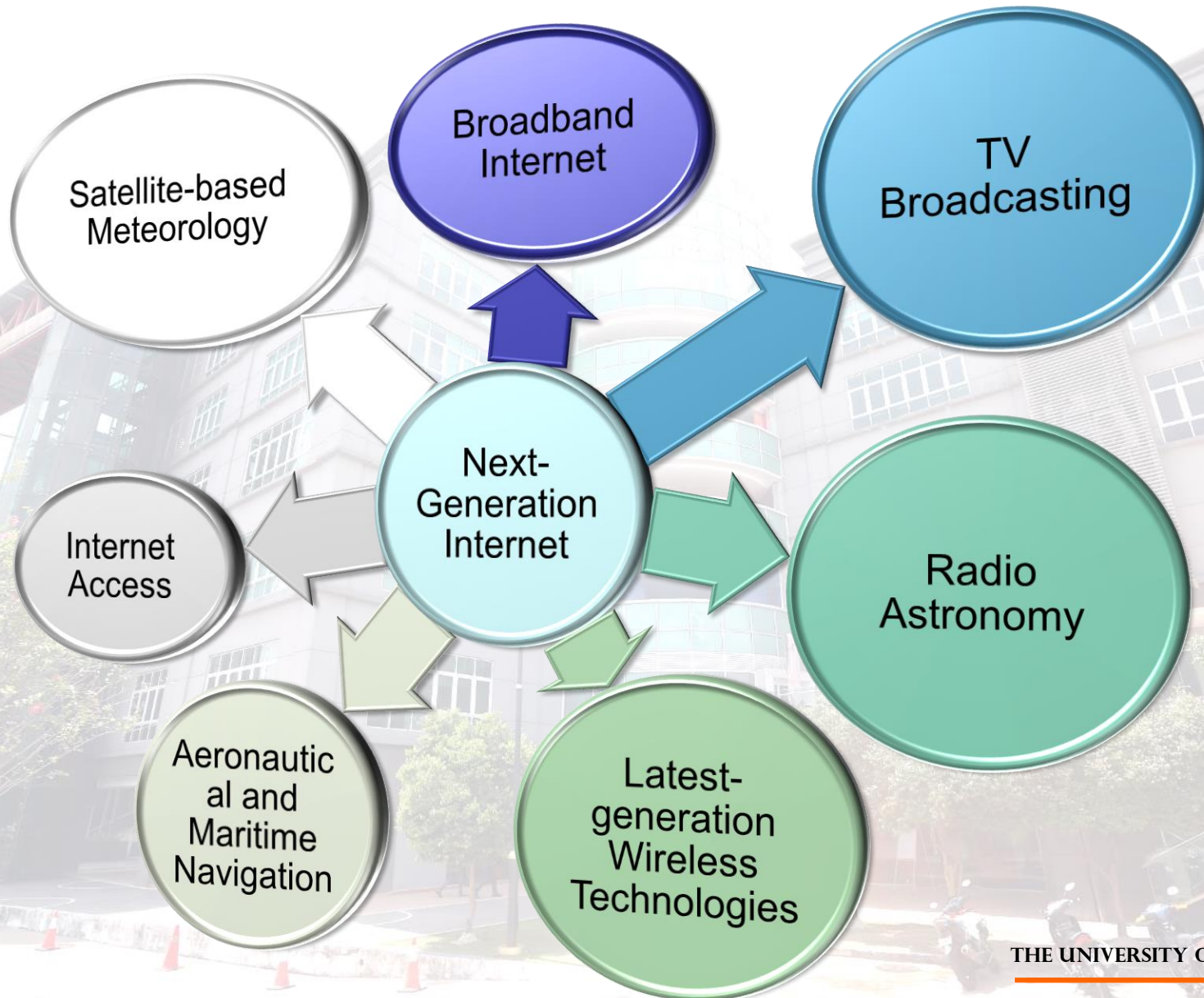
ITU'S MISSION

1. To enable the growth and sustained development of telecommunication and information networks
2. To facilitate universal access
 - People everywhere can participate in, and benefit from, the emerging information society and global economy

TASKS UNDERTAKEN BY ITU

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1. Coordinates the shared global use of the radio spectrum
 2. Promotes international cooperation in assigning satellite orbits
 3. Works to improve telecommunication infrastructure in the developing world
 4. Establishes worldwide standards

ITU'S FOCUS AREAS



ITU SECTORS

**Development
(ITU-D)**

**Radio
Communication
(ITU-R)**

**Standardization
(ITU-T)**

Projects & Trainings:

Provide an online training entitled “Migration to IPv6” for global audience (collab. with ITU Academy)

Provide CNE6 L1 & L2 Training for ITU member countries.

Workshop on Migration strategy for Telco Service Providers.

Completed a study entitled “A Study on IPv6 Address Allocation and Distribution” (July 2009)

Other IPv6 Deployment & Capacity Building activities for Developing Countries.

THE PROPOSAL & PROCESS HISTORY & DEVELOPMENT

Since 2007, Prof Sures has engaged with ITU in various consulting & training initiatives

Proposed IPV6 COE to be set-up in July 2011, since then we have had various rounds of discussions.

Finally, April 2012 ITU shortlist and agreed to move ahead with the proposal to setup a center in Malaysia.

We was selected amongst half a dozen contenders The center will be the first of its kind in the world.

In 2017, ITU proposed the center be extended to include IOT as well. In 2018, the ITU Center of Expertise for IPv6 and IOT is formally established in the Malaysia University of Science and Technology (MUST).

OBJECTIVE OF THE CENTRE

- To help member countries plan, coordinate and strategize a smooth transition to IPV6 and help create expertise in IOT.
- To assist to setup Regional Centers around the world to share expertise, resources and capacity-building know-how in IPV6, IOT and NGI research, training and education.
- To strengthen capacity building to deliver advance and specialized telecommunication & ICT training in IPv6 and IOT via these regional centers
- To offer continuous education to ICT managers (public & private spheres) through face-to-face or distance learning programmes
- Serve as regional focal points for professional development, research, and knowledge sharing, as well as providing specialist training services to external clients
- Help the expansion of the Internet by promoting IPv6 and IOT and to bridge the digital divide by reaching the bottom billions.

CENTER'S BENEFITS

1. Access to 193 country members of ITU, a mixture of regulators, government agencies, regional & global telecom organizations, training institutes, etc. The center will be a recognized UN/ITU Center.
2. Able to attract external funding and partners
3. Ride on the brand value of ITU, including ITU nodes and partners (Members trust ITU)
4. Garner support from ITU resources, expertise and network

BENEFITS TO ECHONET AND JAPAN

1. Global recognition & positioning amongst all Ministries of Telecommunications in the world. Partnership opportunities across 193 ITU member countries. An excellent platform to introduce Echonet and Japanese Based IPv6 and IOT Technologies to the world.
2. Access to various Migration, consulting & capacity building projects in developing countries. This is important as the center would like to help these countries leap frog into the high speed Internet world, with a focus on IPv6 and IOT
3. Elevate the position of joint Malaysia-Japan Technology and work closely with MUST and KEiO University to attract students globally. It will also position MUST/Malaysia and KEiO/Japan for better research and academic collaboration. Current areas include:
 - **IOT and Energy Research**
 - **Smart Grid/IPv6 security Research**