

ICT indicators

Ministry of IT

Why Indicators?

- What's measured gets done
- Provides a benchmark
- Structure the process and steps
- Numerous institutions
 - ITU
 - World Economic Forum
 - World bank
 - etc

Broad Measures for Indicators

SUPPLY

Consumer Protection and
Empowerment
Government Leadership in
Broadband Use and Online Activity
ICT Skills Development
Affordability of Devices and
Access
Online & Local Content, Applications,
New Technologies & Services

DEMAND

Competition and Investment
Spectrum Allocation and
Assignment
Reducing Infrastructure
Deployment Costs
Core Network Expansion:
Private Investment for Public Goals
Inclusive Broadband Availability
(e.g. with USOs or USFs)

ICT indicators- ITU

– Three Measures

- 1) ICT Access (Fixed Telephone Subscription, Mobile Subscription, B/W per user, % of household with computer, % of household with internet access)
- 2) ICT Use (% of using internet, fixed broadband subscription per 100, wireless broadband subscription per 100)
- 3) ICT Skills(Adult literacy, Secondary Gross Enrollment Rate, Tertiary Gross Enrollment Rate)

– Three sources of data input

- 1) Statistics Department
- 2) Regulator
- 3) UNESCO

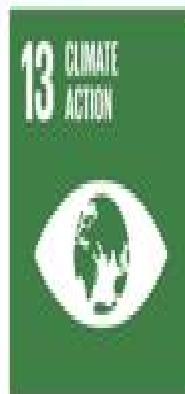
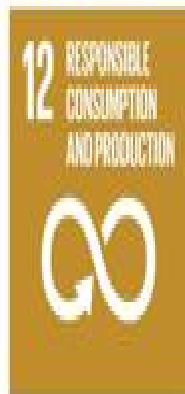
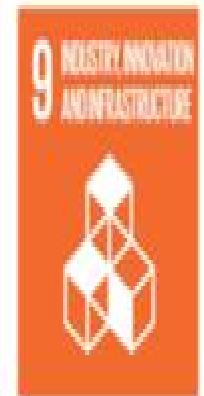
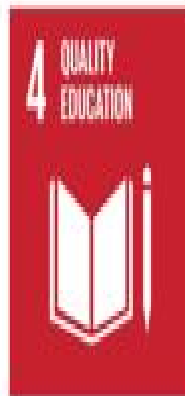
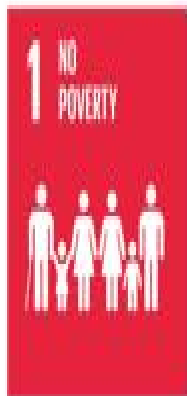
Pakistan's Ranking

- **Ranking** down from **138 to 143** (five points in five years from 2010-2015)
- **IDI** (ICT development index) **upped by 25%** from 1.79 to 2.24 (2010-2015)
- Ranking down by one point from 142 to 143 in last one year
- IDI upped by 10% in last one year from 2.05 to 2.24.

- Pakistan's ICT sector is one the fastest growing sector of the economy. For the last few years in terms of teledensity, investment, employment and revenue generation the performance of the sector is remarkable. The sector is playing a key role in transitioning Pakistan into a Digital world. The growth potential is huge and we are witnessing a very fast rate of development of the sector.
- The international rankings by various international forums, do not reflect this growth at a level it should have been captured. This is due to lack of data collection on ICT development at household level. We observe that ITU's core list of ICT household indicators are not being measured as required by ITU



SUSTAINABLE DEVELOPMENT GOALS



SDGs Linkage with ICT indicators

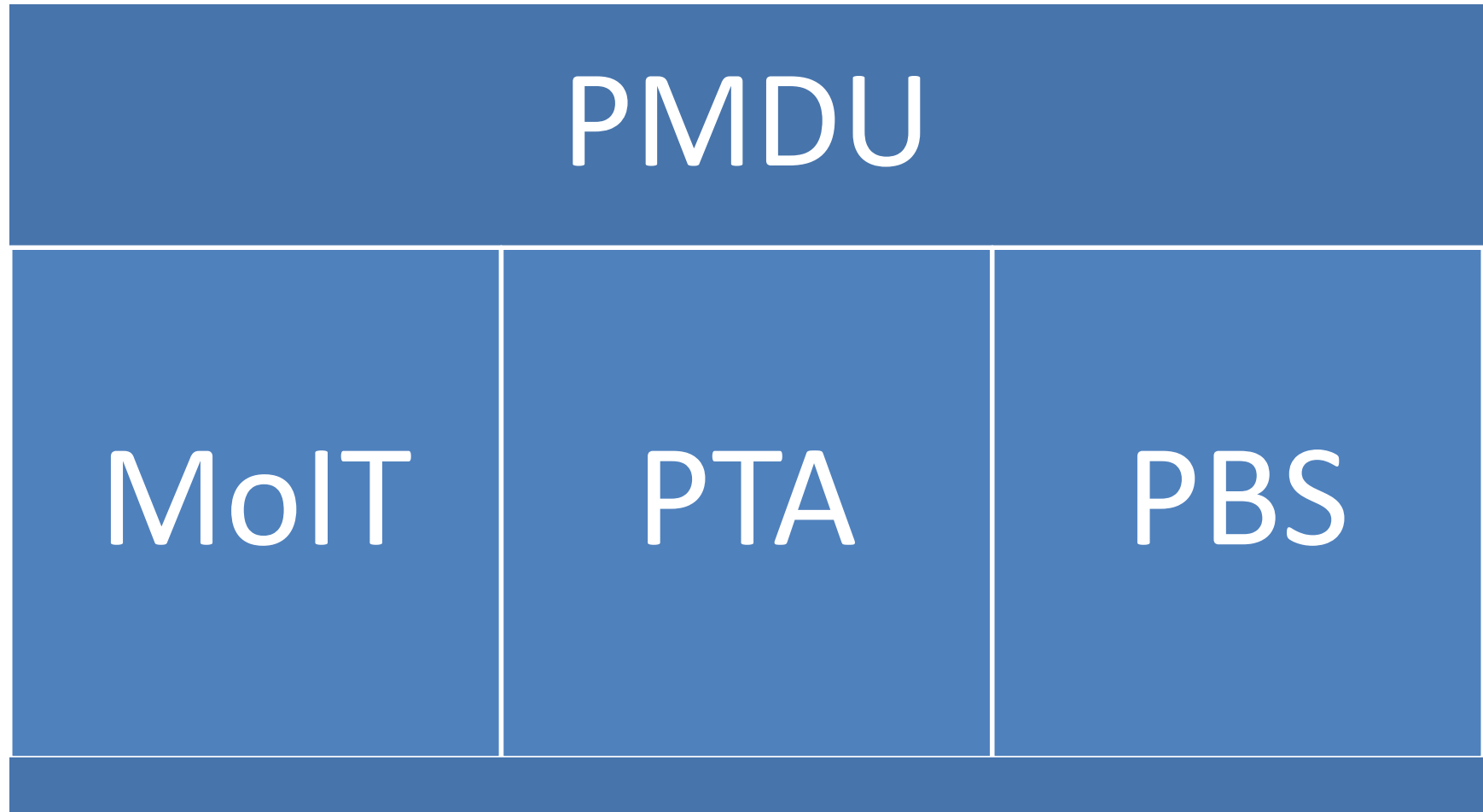
- Sustainable Development Goals represent a joint commitment for improving the socio economic conditions of the people.
- ICTs are critical enablers of these goals mentioned under four different goals to ensure
 - **inclusive and equitable quality education, 4b**
 - **achieve gender equality, 5b**
 - **build infrastructure and strengthen the global partnership for sustainable development 9c**

Sustainable Development Goals with direct reference to ICTs

Goal	Theme	Target
4.b	Education and lifelong learning	By 2020, substantially expand by globally the number of scholarships available to developing countries, in particular least developed countries, small island developing States and African countries, for enrolment in higher education, including vocational training and <u>information and communications technology</u> , technical, engineering and scientific programmes, in developed countries and other developing countries
5.b	Women's empowerment	Enhance the use of enabling technology, <u>in particular information and communication technology</u> , to promote the empowerment of women
9.c	Infrastructure, industrialization and innovation	Significantly increase access to <u>information and communications technology</u> and strive to provide universal and affordable access to the Internet in least developed countries by 2020

National Structure

ICT Indicators Monitoring & Assurance



Key Challenges

Sector
Identification
(ICT as a
visibly
sector)

Linkages
Perception
Deficit
(SDGs and
ICT linkages)

Missing the
real time
progress
(Data
collection
time
differential)

Strategic Execution

PMDU

- Strategic Communication from PM
- Focal team at PMDU to monitor

MoIT

- Minister engaged world renowned indicators expert Dr Robert
- Secretary IT meeting (PBS head, chief planning, economic advisor and PTA)

PTA

- Continual pursuance and engagement
- Dedicated unit

ICT Indicators- Signs of Optimism

Internet Usage – Upward Trend

Access to computers- Upward Trend

Internet Access- Upward Trend

Way Forward

- We urge all to take a holistic understanding of this issue so that concerted and joined up actions are to be put in place for ensuring the timely and right input of values coupled with a more vibrant collection mechanism at all concerned levels.