

# TABLET-PHABLET

Indian Institute of Technology Kanpur  
Commonwealth of Learning Vancouver



**MOOC4D**

massive open online courses  
for development

MOOC on M4D 2013

T.V.Prabhakar

IIT Kanpur

# We have

- Phone (feature phone)
- Smart Phone (more advanced computing and connectivity)
- Phablet
- Tablet (large screen – suitable for content consumption)



**Phone**



**Smart Phone**



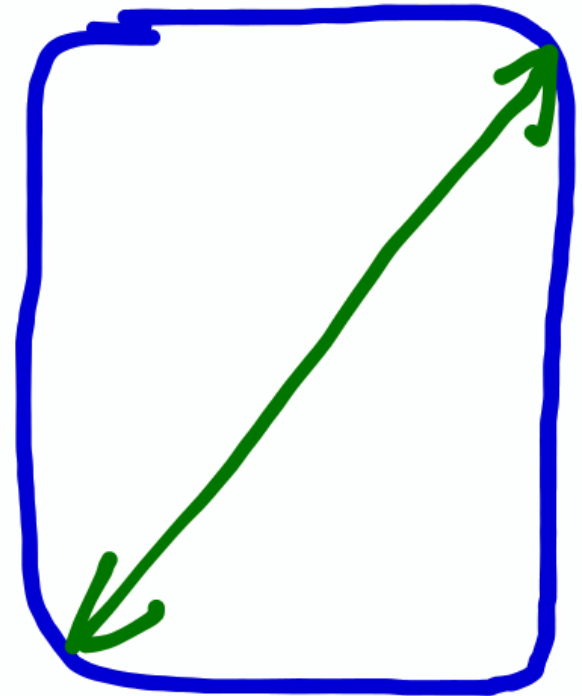
**Phablet**



**Tablet**

# Size of the Mobile

- Measured as the diagonal
- In Inches
- (Smart)Phone 3" to 5"
- Phablet 5" to 7"
- Tablet 7" to 11"



# Weight of the mobile

- Smartphones, Phablets: 100 to 170 gms
- Tablets: 500- 700 gms

# Connectivity

- Cellular Networks

- Wifi 

- Bluetooth 

- Speaker, Microphone, Camera

- Capacitive Multi-touch Screens

- Micro-USB connectivity 



Standard

Micro

# Capacitive Multi-touch

- As against resistive touch
- Rely on the electrical properties of the human body to detect a touch
- Hence a light touch of a finger is enough
- Can not be used with gloves
- Need a special stylus
  - Conductive material



# Oleophobic Screens

- *Oleum* in Latin is Oil, *Phobos* is fear
- Oil repelling
- Finger prints, Smudges can be easily removed



# Gorilla Glass

- Trade mark of Corning Inc., USA
- Thin, light and scratch resistant
- Used in most of the phones

# Key board and mouse

- Connect with Blue tooth or USB



# Battery

- Lithium Ion Batteries
- 5 to 10 hours of work time
- Capacity 2000-10,000 mAh
- Charge cycles
- If you fully drain every day
  - Smartphone – around 4 kWh per year
  - Laptop – 20x of Smartphone about 80 kWh

