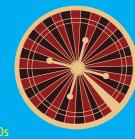
Wearable Tech: Past, Present & Future

NASSCOM®



Early American inventors built devices to help users cheat at gambling in casinos. These never became popular



Launch of the Pulsar Calculator Wristwatch, which was the first device to combine



2013

Steve Mann launched the first Wearable Wireless Webcam, and began uploading images to the Internet, becoming the world's first 'lifelogger'



Blue-tooth headsets find their

way into our get-up



Nike launches Nike+iPod, an activity tracker device



Pebble, the first 'modern' smart watch gets crowd funded through 'Kickstarter'.



Google launches Google Glass, a

wearable device that delivers communication and content to a display screen positioned over an eye. It is also geared for augmented reality applications that pump in content from the internet to add value to what the user is looking at



2014

The Year of Wearable tech rolls in. Phase I is all about the 'War of the Watch'

War of the Watch

Inter-operability

The Pebble connects to both iOS and Android phones via Bluetooth, while the Apple Watch Samsung Gear 2 work only with

phones made by Apple and Samsung respectively

Independence

Embedded with its own 3G chip, the Gear 2 can work independently to take calls, send texts and receive messages without a connected smartphone. The Pebble and Apple Watch transmit information from a paired phone. All phones will of course offer basic watch functionality even without a phone

Display

Apple Watch has a full colour, scratch resistant Sapphire display while the Gear 2 has a Super AMOLED screen. The Pebble has a B&W screen



Pebble



Apple Watch



Samsung Gear 2

Battery Life

The Pebble Watch lasts a full week on one charge while users of the Samsung Gear 2 may need to charge their watches every 2-3 days. Apple Watch users may need to get used to a nightly charge for their devices

Value-Add Samsung and Apple score over

Pebble here. Gear 2 comes with a heart monitor and a limited set of Samsung apps, while Apple goes one better with Apple Pay that will let you use the watch to check out at a store. Both Apple Watch and Gear 2 have fitness trackers - with a motion sensor and heart-rate monitor to track movement and activity. Both can also be used to play music though the Samsung watch is the only one with a camera



The Future of Wearable Tech



Smart clothing that can charge devices using solar energy



track movement and heart rate

Clothing with sensors that



Gear (such as helmets and glasses) that help with navigation



Objects and clothing with trackers that prevent stuff from getting lost



Wearable air purifiers that ensure a clean personal environment



Personal climate controllers to heat/cool the body