



Trends in Wearable Tech (Post COVID19)

Presented by:

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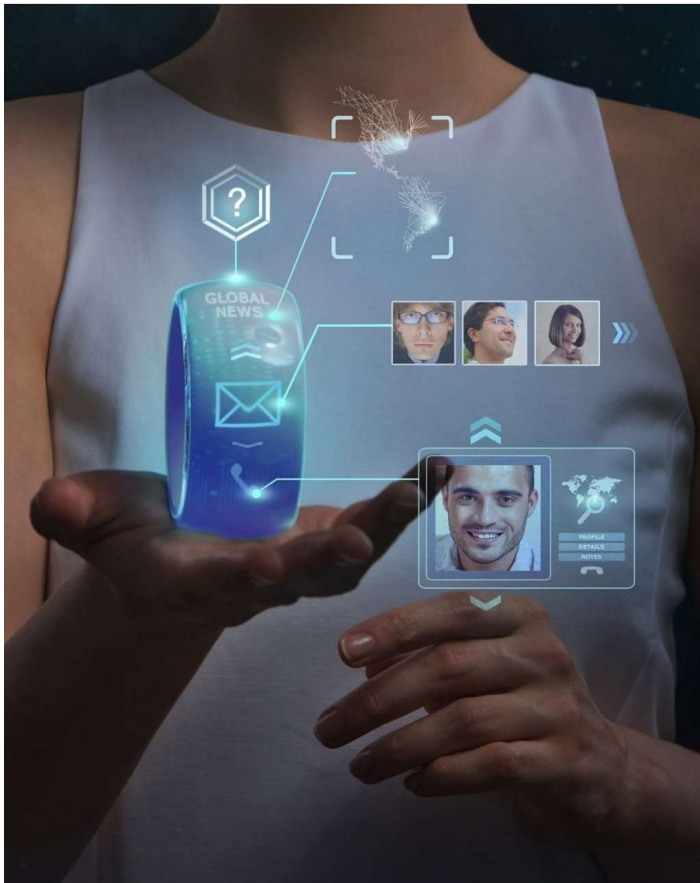
IEEE Smart Village PDC Reviewer Co-Chair, IEEE DSBC 1.0

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What we'll cover today?

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- Impact of COVID19
- New-Normal Way of Living
- Change in Technology Post-COVID
- Wearable Technology
- What's the Tech behind?
- Recent Trends in W.T
- Pros & Cons of using Wearables
- Future Aspects of Wearables
- QA Session (Let's talk)



1. Impact of COVID19



01

Positive Impact

Evolution of healthcare, new and better habits, reduction of inequality, networking, Technological Advancement and many more.

02

Negative Impact

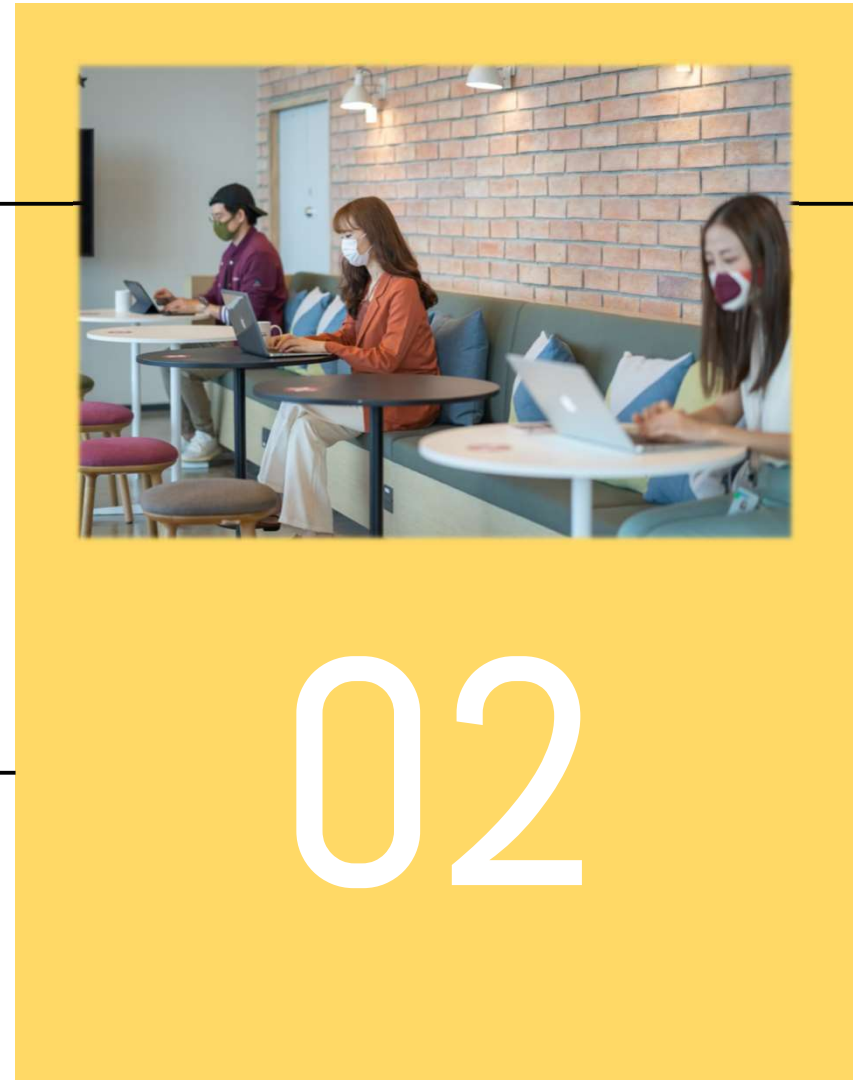
Harsher surveillance, divide between countries, economic recession, unemployment for new-graduates, working from home, strict actions for more productivity and many more.



New-Normal Way of Living

New opportunities in
every domain!

Are you ready for that?



02

“ Change will not come if we wait for some other person, or if we wait for some other time. We are the ones we've been waiting for. We are the change that we seek.”

—Barack Obama



3. Post-COVID: TECHNOLOGY



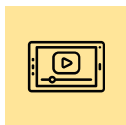
Cloud Capacity

Virtualization will be essential for everyone to work from home.



Machine Learning

On-Site learning of machines and analyzing data will be essential for humanity offline.



Virtual Experience

Real is becoming virtual and virtual is becoming real, which means we are going to communicate ahead virtually



Connected Healthcare

Home-Connected Healthcare Assistance will be common in coming years.

Wearable Technology

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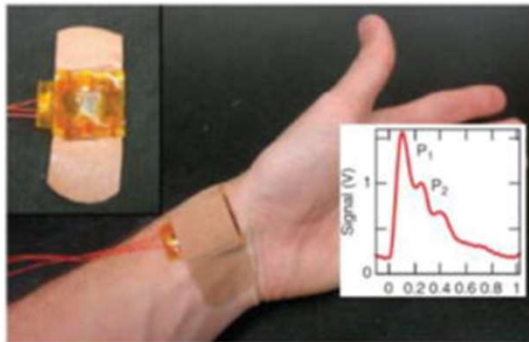
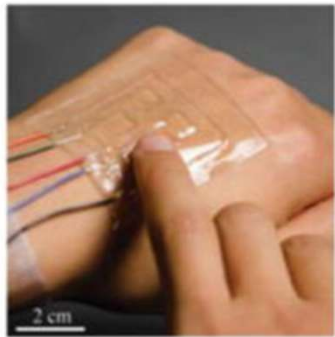
On the basis of Category:

- Wristwear
- Headwear & Eyewear
- Footwear
- Neckwear
- Bodywear

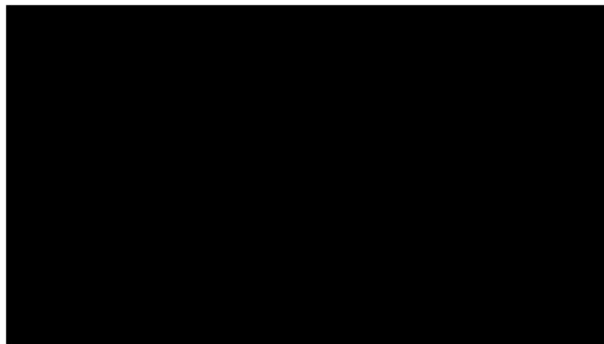
On the basis of Technology:

- Computing Technology
- Display Technology
- Networking Technology
- Positioning Technology
- Sensor Technology

5. What's the Tech behind? : Sensors



What's available in Market?

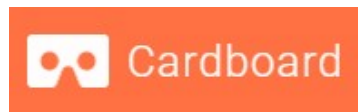
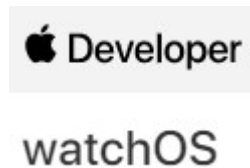


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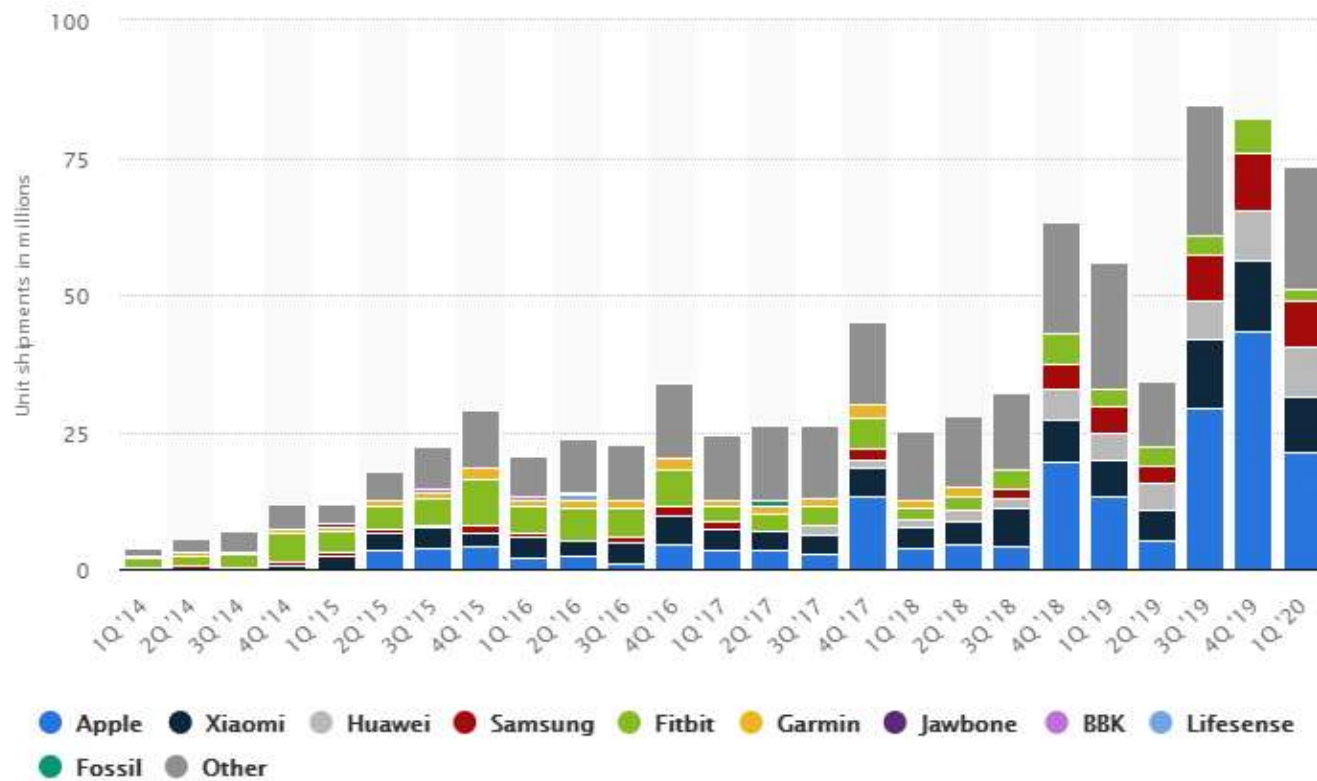
Do you want to develop?

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Source: <https://code.tutsplus.com/articles/wearable-development-platforms--cms-30213>

Recent key Market Players:



<https://www.statista.com/statistics/435933/quarterly-wearables-shipments-worldwide-by-vendor/>

Pros & Cons of Wearables

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Why to use Wearables?

● Pros

- Analysis on User Layer
- More Connected
- Increase Productivity
- Portable
- Tracking your Day

● Cons

- Charging Mechanism
- Short Battery
- Data Privacy
- Price

What's



the Future?

Future Aspects of Wearables

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- Mind Reading Smart Glasses (MindX)
- Sweat-Sensing Glasses (Google)
- Goggles to eliminate chronic pain without medication (SANA)
- Gadget which lets you listen your body (Data Garden)
- Human body Data Center (Nectome)
- Medical Holographic Operation (RealView)

Main areas for Future Working:

- Sustainability & Resilience
- Evaluation
- Market

Source: <https://spectrum.ieee.org/view-from-the-valley/consumer-electronics/gadgets/a-peek-into-the-future-of-wearables>

THANKS!

Let's have a talk now!

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