

# IT in the next two decades – An India perspective

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# Talk outline

- First wave of networking
- Second wave of networking
- Third wave of networking
- What does it mean to the world
- What does it mean to India
- What does it mean to you

# First wave of networking

## Connecting computers

- Remote login, file transfer
- Key idea was computer efficiency
- 2 NIC cards in PC router
- 1985 Cisco was born
- By 1995 most computers were connected

# Second wave on networking

People were getting connected thru computers

- WWW Internet Mobile
- Email
- Online applications Net Banking
- FB YouTube Twitter more important
- Mobile revolution
- Affordable
- Mass market

# Connecting things

## Factory automation

- DCS
- Refineries, power plants
- Humans only for control
- Expensive
- Class market

# Third wave of networking

- IoT
- Intelligent things getting connected
- Connecting things not so intelligent by on-boarding intelligent enough
- Connecting people things and computers
- Much larger in scope

# What does it mean to the world

- Office automation, factory automation will merge
- Edge of the enterprise and the core of the enterprise will merge
- Financial & physical will merge
- IT will become the very core of every business
- Much larger opportunities in next generation coding
- Operating the next generation IT infra will unleash new opportunities

# What does it mean to India

- Much larger opportunities
- Current pure IT services opportunities will shrink
- Need re-skilling
- Opportunities beyond CS engineers
- Much larger productivity and quality of life improvement
- Core sector will see dramatic growth
- Growth beyond metros
- Smart city Digital India Make in India ... will get "real"
- Bharat shining



# What does it mean to you

- Look at integrated IT (computers, IoT and people)
- Look at new opportunities
- Look for integrated skills – value creation, innovation and not routine "computerisation"
- Business process automation is important but reinventing business will be more important

# Summary

- Exciting times ahead
- Much larger opportunities
- IoT and network tools will be very important
- Any questions?