

Resource Person: Mr.Jagadeesh Maiya
V.P & Head of Engineering
APAC, Endurance Group



Industry 4.0 & its Human Implications

Jagadeesh Maiya
Vice President and Head of Engineering,
APAC, Endurance Group.
President, Youth For Seva.



The morning session of the first day of the STTP was conducted by the chief guest of the day Mr.Jagadeesh Maiya. Mr.Maiya is the VP and Head of Engineering at APAC, Endurance International Group and is also the President of the NGO Youth for Seva. He obtained his Bachelor's Degree in Computer Science Engineering from National Institute of Engineering Mysore in 1993. He is at present leading global software team providing web solutions and worked in CISCO for nearly 2 decades in both United States and Bangalore. He is also the founder of Yoga Bharatiya.

Mr.Maiya started his session with an introduction on Industrial Revolution 4.0, its trends as well as his own tryst with the industry including the transformations occurring in companies like Siemens, Philips, GE, Bosch and NTT. The content of his speech were based on People, Process and Technology that finally leads to success. He spoke about the 3 E's – Exposure, Education and Experience, 3 H's- Head, Hands and Heart, 3 P's- Purpose, Passion and Possible.

3E



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3P



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What a piece of work is a man ?

3H



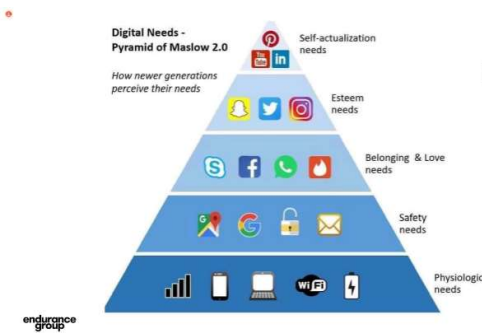
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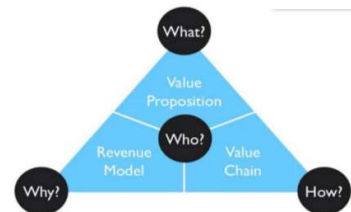
what is this quintessence of dust?

He further explained with:

- The Pyramid of Digital Needs of Maslow.



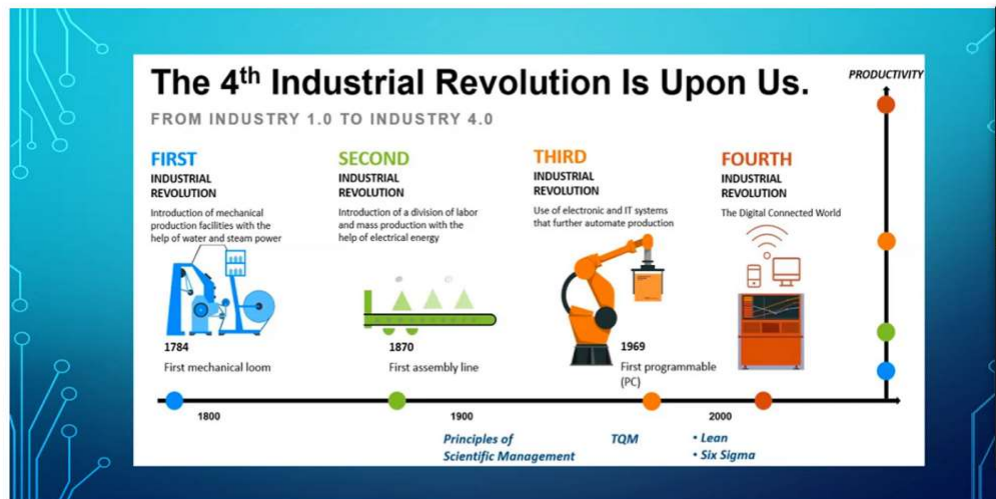
My talk context



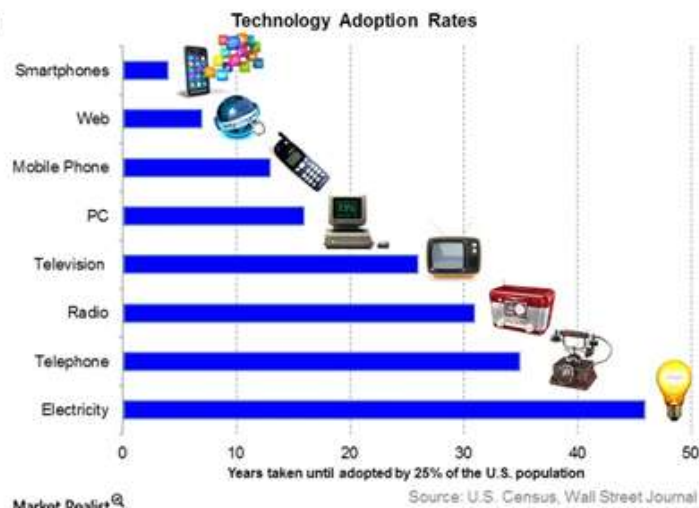
- Challenges of 4.0 from Human Perceptive and Organizational Perspective:
 1. Economic
 2. Social
 3. Political
- Consequences of Industry 4.0 on Human Labour and Work organization:

“Though Technological advances may be to large extents already predictable and their consequences on social impacts and associated regulations on a national or international basis are obviously not”.

The big picture...



Trends..



- He added that Journey of a Leader is to Break, Shake and Make.
- 4 Stages for Industry 4.0 - How we should prepare?
 1. Break Assumptions
 2. Empathize
 3. Involve Others
 4. Avoid Herd Mentality

He mentioned the words of Jack Ma the founder of alibaba group that stated “In about next 30 years, a robot will likely be on the cover of time magazine as the best CEO. Machines will do what human beings are in capable of doing. Machines will partner and cooperate with humans rather than become Mankind’s Enemy”.

The 3 possibilities of Human and Machines interaction was also elaborated as follows:

1. Humans and Machines work together.
2. Humans and Machines fight with each other.
3. Machines and Machines fight with each other.

Three possibilities...Chose wisely!



Talking: Jagadeesh Maiya



He concluded with these Lines and also about the growth of artificial intelligence in upcoming days will be like the following three statements

1. “Artificial intelligence is growing up fast, as are a robot who’s facial Expressions can elicit empathy and make your mirror neurons quiver”.
2. “The World is changing whether you like it or not. Get involved or Get left behind”. ~ Dane Waters.
3. “Do not wait until the conditions are perfect to Begin Beginning Makes the condition perfect”. ~ Alan Cohen.