

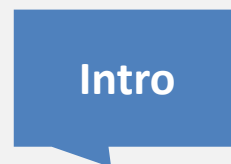
(Current Trends)

Emerging Technologies

E-Application Development Workshop
25th – 29th Nov, 2019, Addis Ababa, Ethiopia

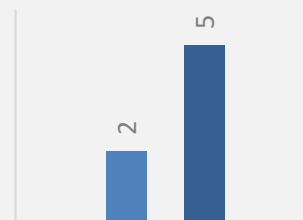
Dr. Attlee M. Gamundani

Structure of this Session



Intro

- Reflection
- Pre-Assess

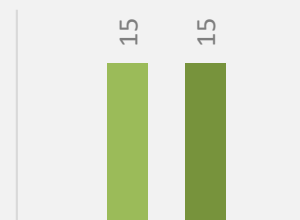


BRIDGE-IN



Main

- Info Sharing
- Discussion

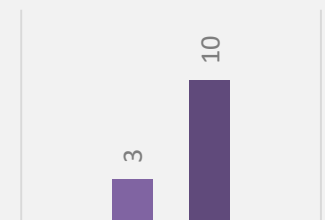


SHARING



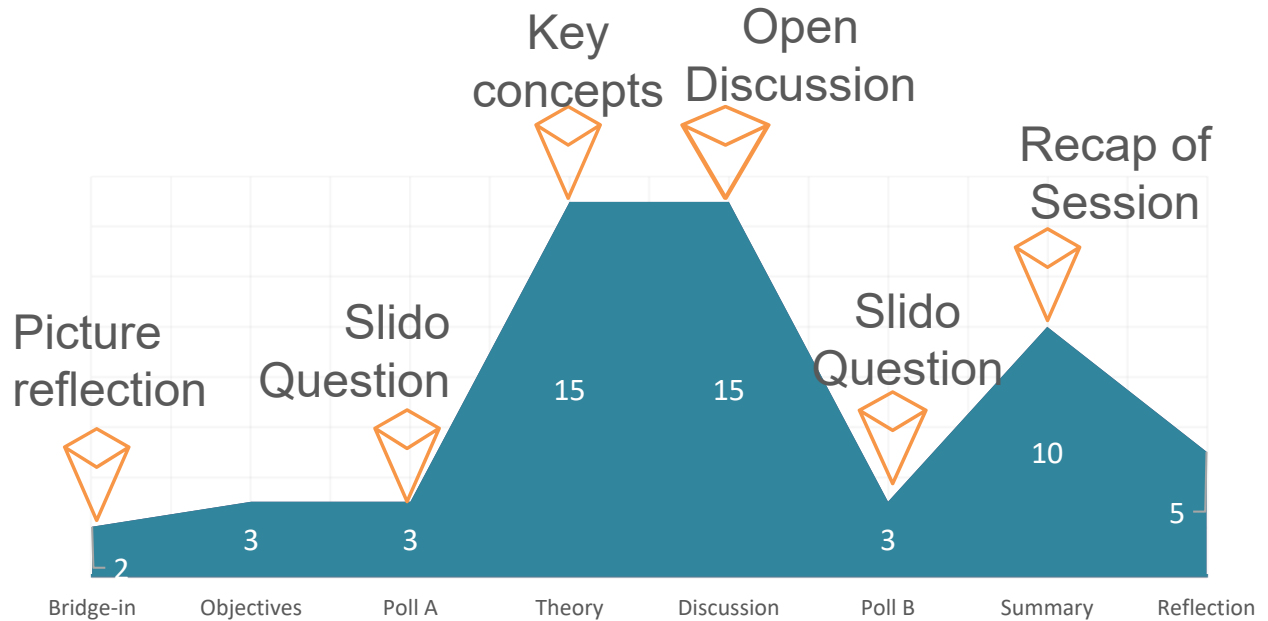
Conclusion

- Post-Assess
- Conclusion



SUMMARY

01




This is our agenda today.



We remain guided by the Objectives






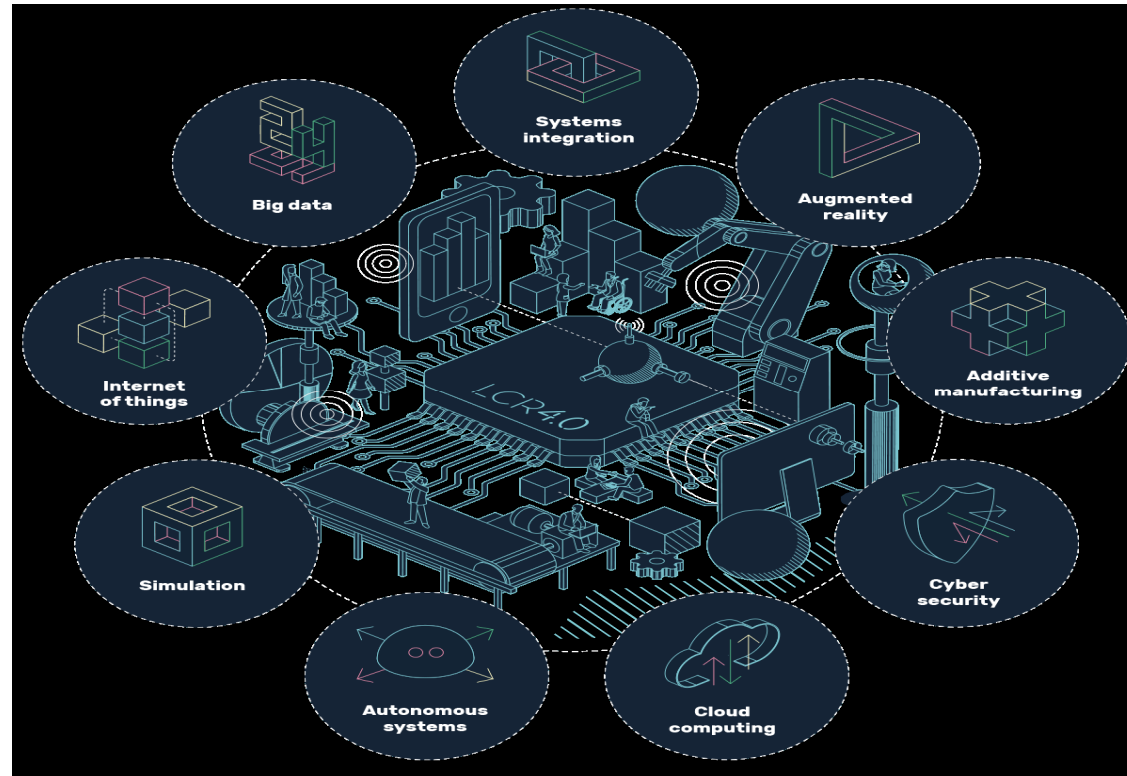
*"Some (people) see things the way they are
and ask, "Why?" I dream things that never
were, and ask "Why not?"*

George Bernard Shaw

You are a scientist – and you create them
You are a scholar – and you research them
You are curious – and you seek them
You are lazy – and sometimes they drift by
You are indifferent – and ignore them



02



i

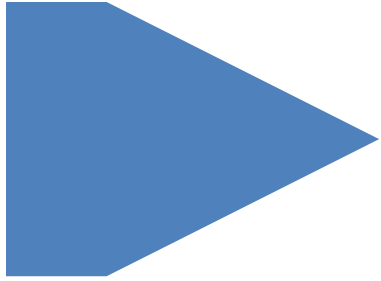
Source: [LCR4.0 sur Twitter](#) : "[Want to learn about the 9 pillars of #4IR ...](#)"

ii

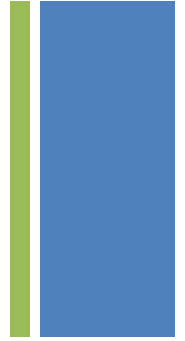
What can you tell from the picture?

iii

What comes to your mind, when you look at this picture?



Polling A



Visit:-

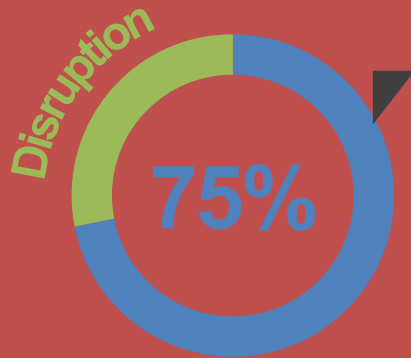
- [slido.com](https://www.slido.com)

Enter the following code:-

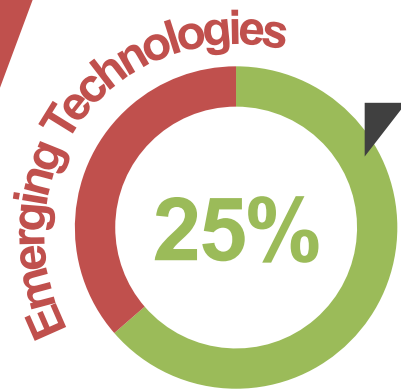
- **ITU001**

Answer the given question as truthfully as possible.





Emerging Technologies



Objectives

03



To identify some of the Emerging Technologies



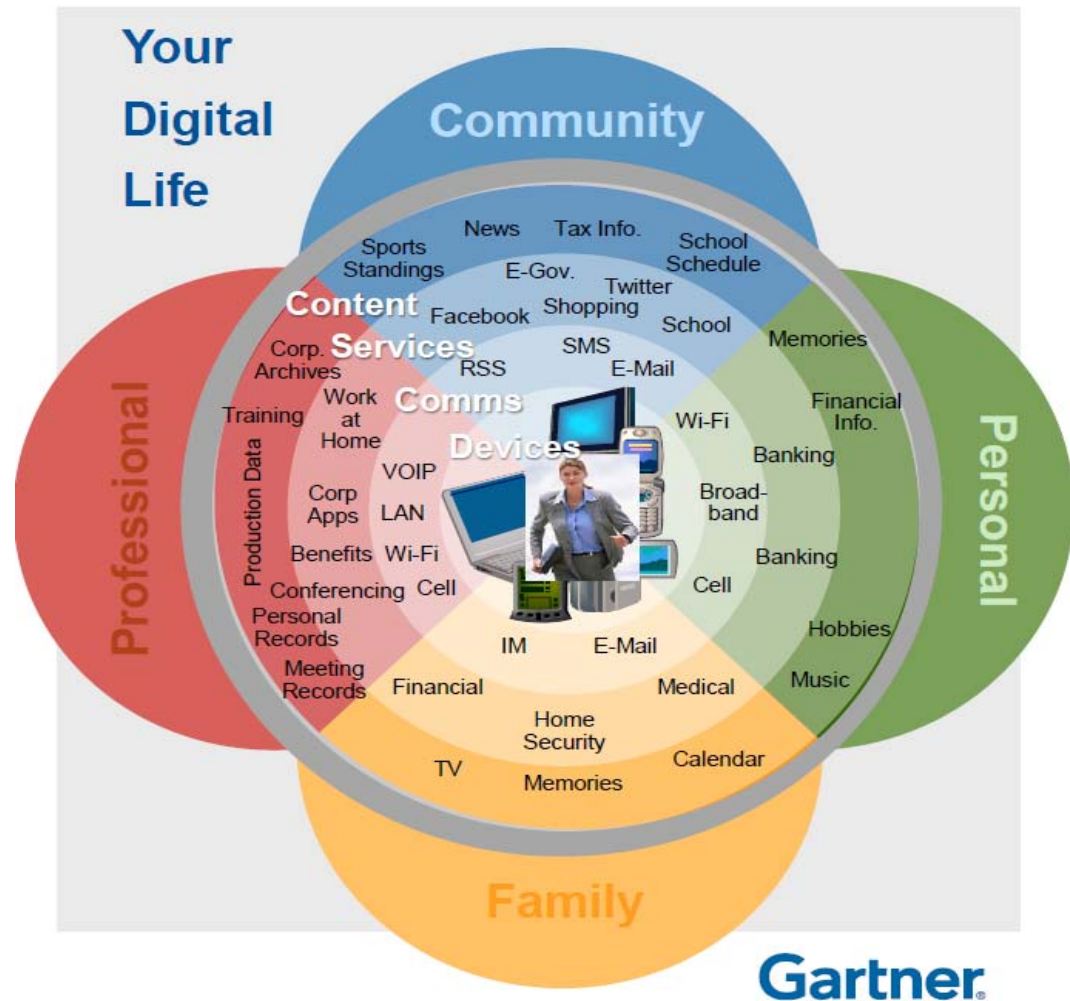
To assess trends in emerging technologies



To explore disruption patterns from emerging technologies

Your Digital Life

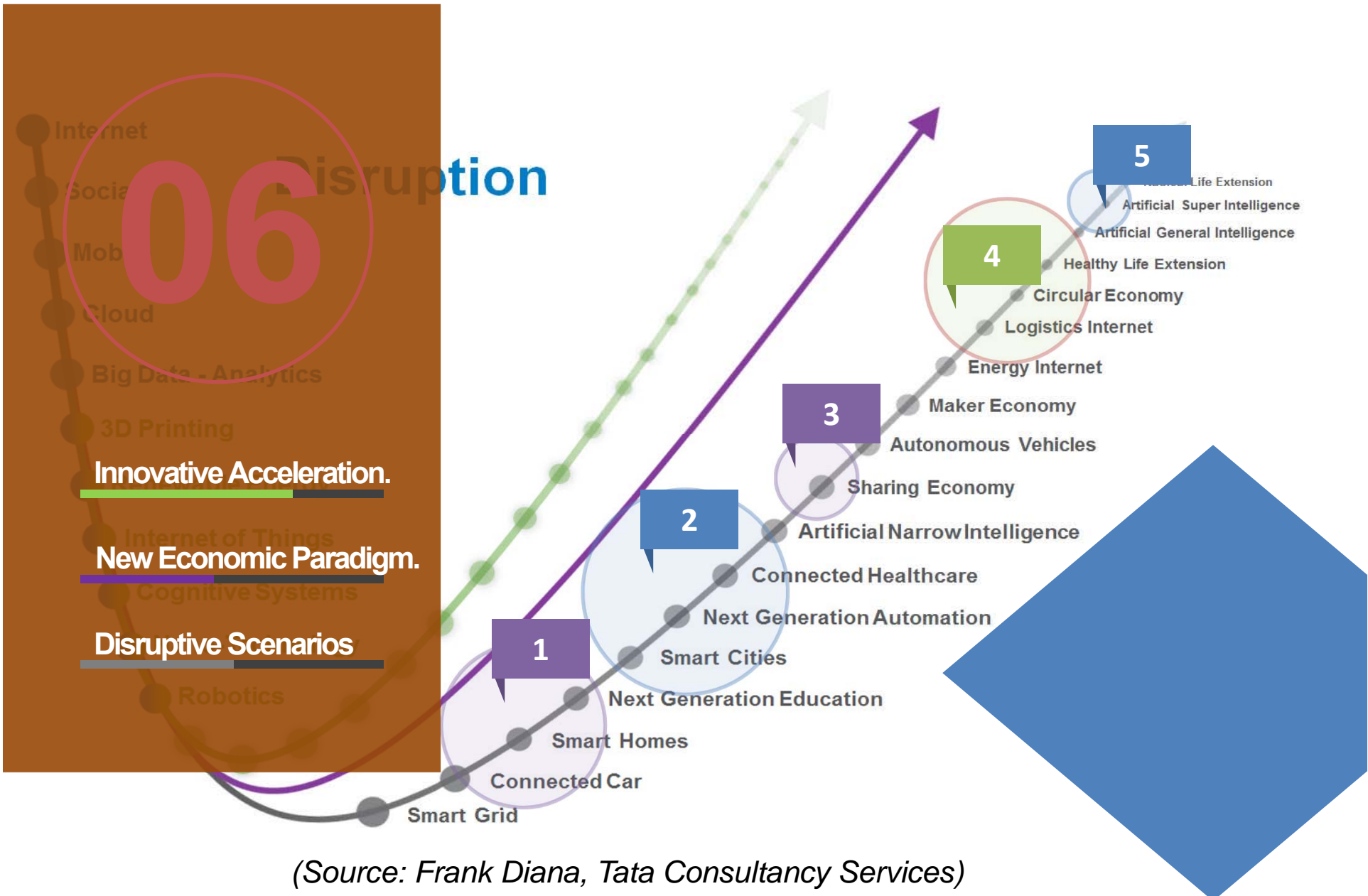
04



Leveraging mobile, social media, cloud & big data/analytics E-developers can put customers/users even more effectively at the centre of their approaches

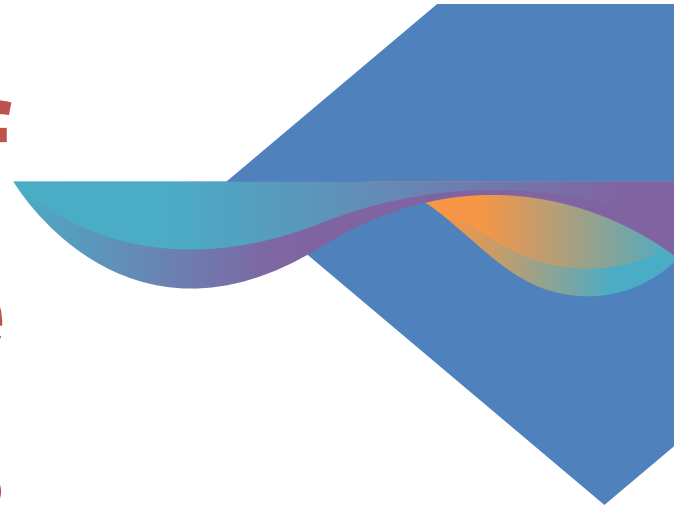


Source: Management Information Systems for the Information Age – Chapter 9: Emerging Trends and Technologies.

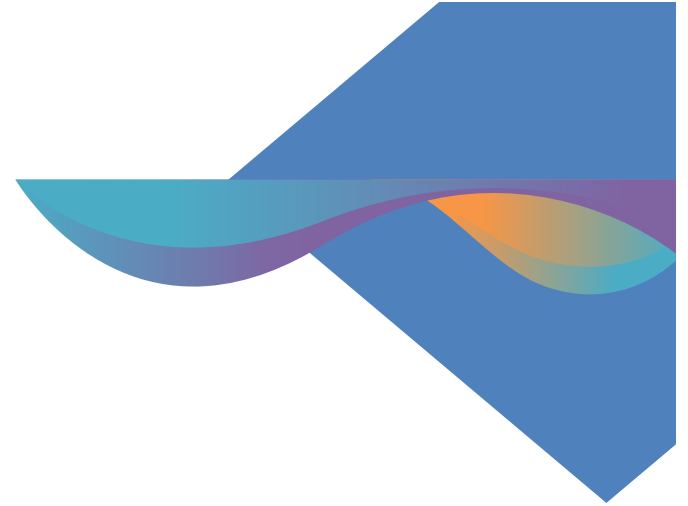


07

The role of disruptive technologies



2019 emerging technologies



The top 10 emerging technologies for 2019



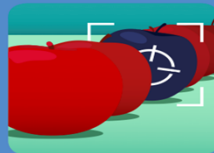
1. Bioplastics for a Circular Economy



6. Collaborative Telepresence



2. Social Robots



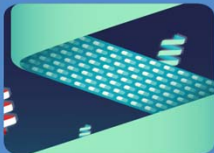
7. Advanced Food Tracking and Packaging



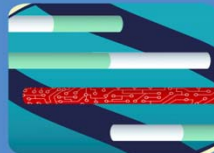
3. Tiny Lenses for Miniature Devices



8. Safer Nuclear Reactors



4. Disordered Proteins as Drug Targets



9. DNA Data Storage



5. Smarter Fertilizers Can Reduce Environmental Contamination



10. Utility-Scale Storage of Renewable Energy

Source: World Economic Forum (Insight Report)

09

2019 Buss Trends



Trends in Emerging Technologies

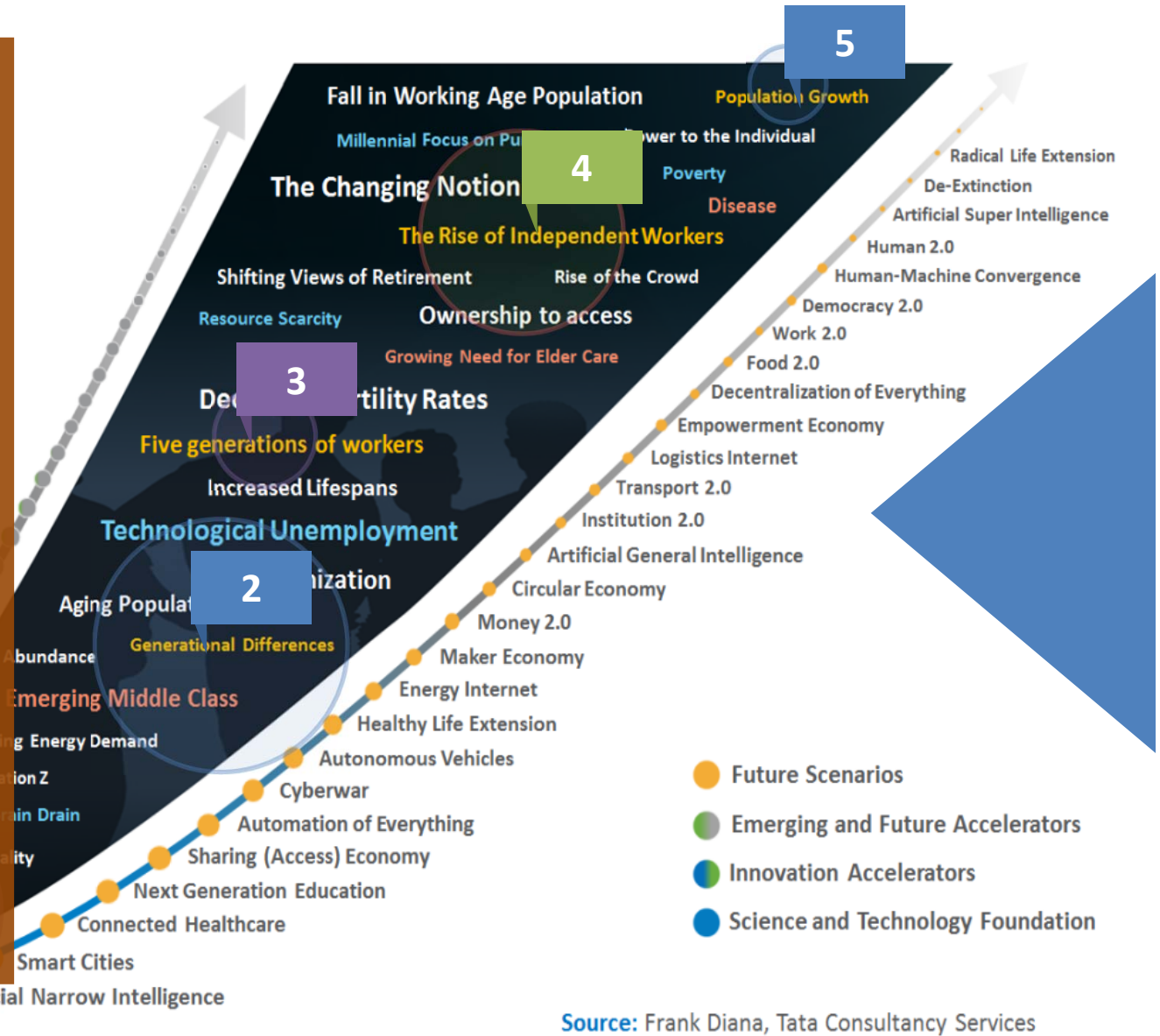
Internet
Social
Mobile
Cloud
Big Data Analytics
3D Printing
Renewable Energy
Internet of Things
Cognitive Systems
Nanotechnology
Robotics
Blockchain
Genomics
Smart Grid

10

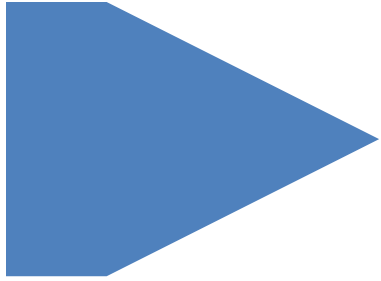
Innovative Acceleration.

New Economic Paradigm.

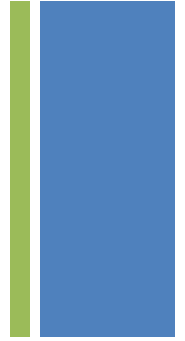
Disruptive Scenarios



Source: Frank Diana, Tata Consultancy Services



Polling B



Visit:-

- [slido.com](https://www.slido.com)

Enter the following code:-

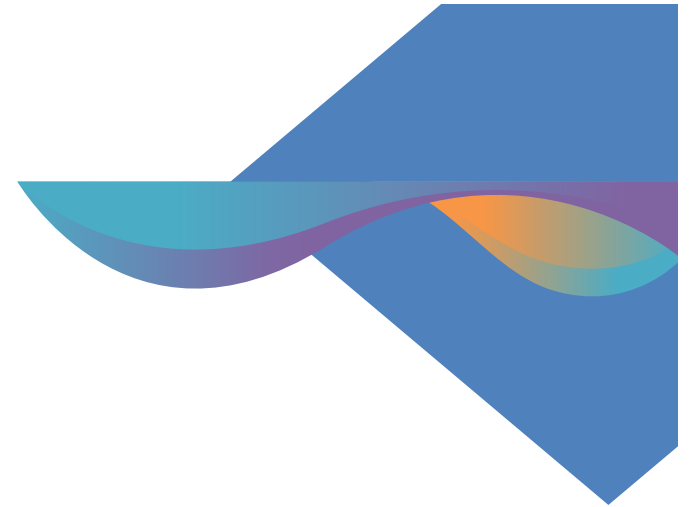
- **ITU001**

Answer the given question as truthfully as possible.



Summary

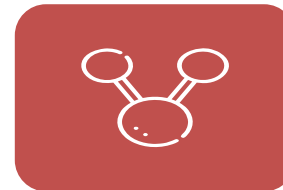
11



In this session, we managed to:-



Discuss on what are emerging technologies?



Identify some Emerging technology trends



Explore some disruptive Scenarios

