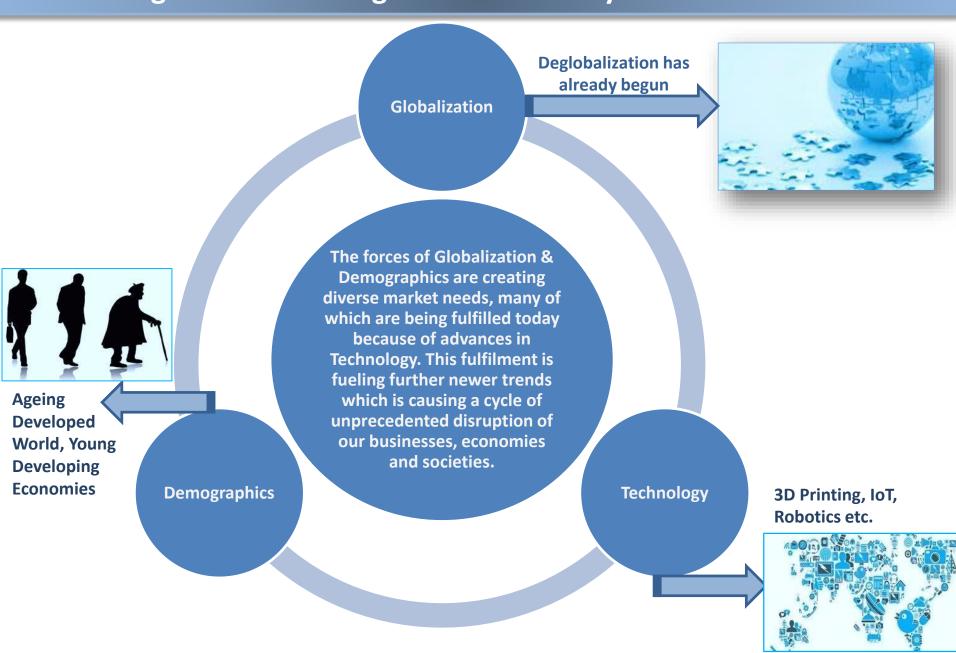






# What is Changing?

#### Mega Trends Leading to Three Primary Forces for Future





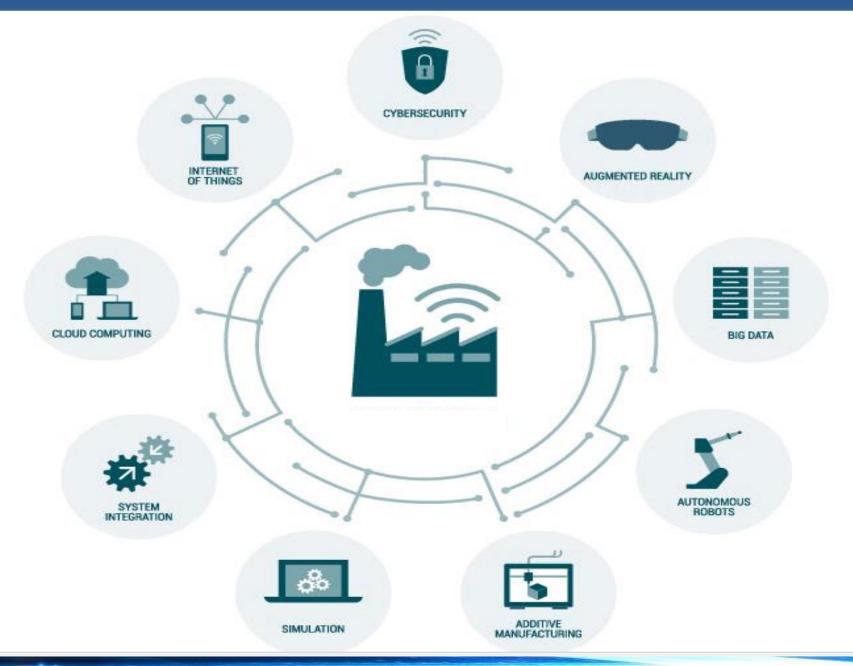


## How has Technology Impacted?

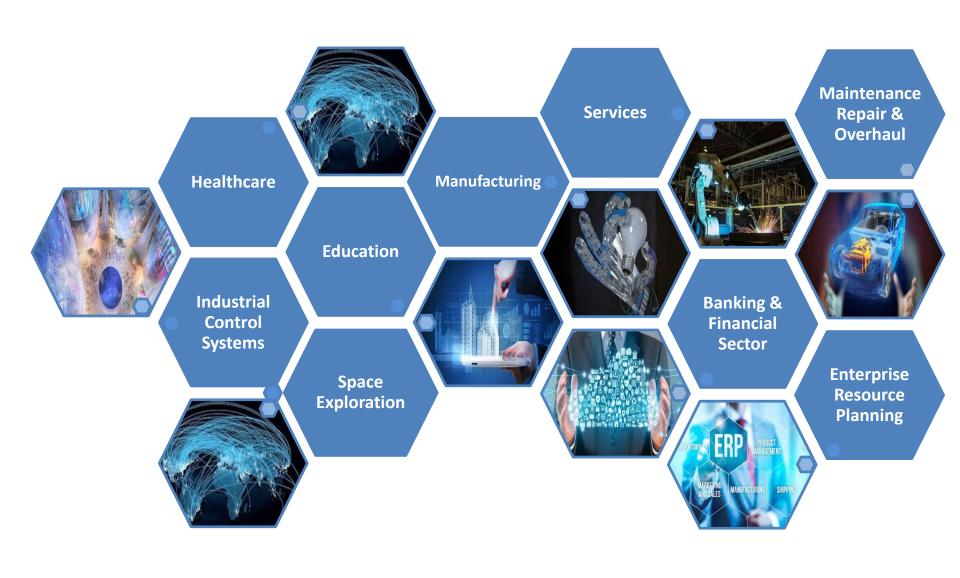
#### **Growing Footprints of Technology**



### **Building Blocks of Technology**



#### **Impacting Every Aspect of Value Chain**







# **Knowledge Sharing: Technology in Education**

#### **Knowledge Sharing: Changing Classroom Learning**



Global Classrooms: No longer confined to boundaries of classroom, education aided by technology has crossed borders, e.g- Skype, Google Hangout, ezTalks, Zoom, FaceTime, Webex etc.



Experiential Learning: Simulating real life problems through various tech-based teaching tools are bring about behavioral changes in the students, e.g.- gaming consoles, mobile learning etc.



Addressing Diverse Learners: An assortment of various educational tools, audio/visual stimulus and animations, elearning modules address students with different learning styles.

#### **Knowledge Sharing: Leading to New Age of Innovations**



**Cognitive Machines** 

- -Deep Mind AlphaGo program defeated world Go champion, Lee Sedol of China by employing techniques and cunning strategies.
- -Armed with significant computing power and selflearning algorithm, AlphaGo is today being deployed for medical diagnosis and pursuing scientific research



**Robotic Workforce** 



- -The cost of hiring robots is constantly reducing with technology becoming cheaper, thereby potentially has threat of replacing costly labour.
- -In future, robots and humans will be working together, hence new age skill sets would be required to match the machines.



**Autonomous Cars** 





**Artificial Intelligence** 

-Fully autonomous cars are expected to be ready by 2030, and are poised to replace many human drivers. Consequently, taxihailing companies such as UBER have already started testing their services with tailored models of driverless cars

-Generative Adversarial Networks (GANs) are systems consisting of one network that generates new data after learning from a training set, and another that tries to discriminate between real and fake data.

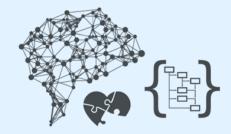
#### **Knowledge Sharing: New Age- New Skills**

#### in 2020

- Complex Problem Solving
- 2. Critical Thinking
- 3. Creativity
- 4. People Management
- 5. Coordinating with Others
- 6. Emotional Intelligence
- 7. Judgment and Decision Making
- 8. Service Orientation
- 9. Negotiation
- 10. Cognitive Flexibility

#### in 2015

- 1. Complex Problem Solving
- 2. Coordinating with Others
- 3. People Management
- 4. Critical Thinking
- 5. Negotiation
- 6. Quality Control
- 7. Service Orientation
- 8. Judgment and Decision Making
- 9. Active Listening
- 10. Creativity









## **Resource Sharing**

#### **Resource Sharing: Key Pillar Structure**

#### **Industries**

#### **Technology Interface**

#### **Individuals**

SMART MANUFACTURING DESIGN

OPTIMIZATION OF SERVICE DELIVERY

**DATA TRACKING** 

PERSONALIZED MARKETING

PROCESS MONITORING AND CONTROL

3D, Collaborative Virtual Factory Platforms

AI, Big Data, Advanced Human Machine Interaction

Big Data Analytics, Machine to Machine Learning

Smart Data Collection and Interaction

Sensor Networks, Cloud Technologies

SMART AND INTEGRATED PRODUCTS

MORE CONTEXUALISED PREFERENCES

**USAGE BASED PRICING** 

EASY ACCESSIBILITY AND COMMUNICATION

REAL TIME TRACKING OF PRODUCTS/SERVICES

#### **Resource Sharing: Touching Everybody's Life**



From

**Yellow Pages** 

to marketplace

From bookstore to e-book



From record store to streaming



From taxi to ride-sharing





## **Space Sharing**

#### Space Sharing: Global Online Space



BOX: Cloud Storage for collaborative businesses

CITRIX: Storage services for businesses & individuals

EGNYTE: Centralized administrative data sharing

SUGARSYNC: Global platform to sync data across OS

# Friends!!

