National Export Congress

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THE FUTURE OF MANUFACTURING

- **Preparing Learners for the Future**
  - Digital Fluency and STEAM Skills
  - Logic Formulation
  - Design Thinking
  - Creativity and Collaboration
- **Maximizing Techonology for the Future**
  - a. Big Data and Analytics
  - b. AI and Machine Learning
  - c. IoT and Mixed Reality
- **Preparing the System**
  - a. Human Resources
  - b. Processes
- **The Goal**
  Maximizing Human Resources' Productivity and Efficiency
- **Challenges**
  - Government Support
  - Fund
  - Infrastructure

EDUCATION 4.0

Curriculum

Students

Teachers

Facilities

HARDWARE

Internet of Things

Robotics

Mixed Reality

WORKFORCE

Employee Preparation

Activities

COVID Safety

SOFTWARE & TECHNOLOGY

Big Data

Analytics

Machine Learning

Artificial Intelligence

Skills Database

Human Capital as an Asset:

An Accounting Framework to Reset the Value of Talent in the New World of Work

WORLD ECONOMIC FORUM

In collaboration with Willis Towers Watson

From → **To**

1 Profit → Purpose
Value for a narrow group stakeholders group of shareholders | *Shared value between the workforce and a broad*

2 Corporate Policy → Social Responsibility
Complying with code of conduct in the workplace | *Living corporate values in the community*

3 Stand-alone → Ecosystem
The organization as a stand-alone entity | *The organization as an integral part of the community it operates*

From → **To**

4 Employees and Jobs → People, Work and Skills
Process-centric; matching people fixed roles | *Human-centric; empowering talent to focus on meaningful, non-routine work*

5 Workforce as an Expense → Workforce as an Asset
Treating talent as a disposable business expense | *Valuing talent as an asset*

6 Backward-looking Financial Metrics → Forward-looking Value Metrics
Focusing on past financial Performance | *Focusing on future potential for value creation*

7 Quarterly → Generational
Short-term view | *Time agnostic*

" Educate people to learn technology. In return, technology will deliver education to people"

"Digital Transformation is all about people"

EMS supports the
Sustainable Development Goals