Disruptive Technology:
New Phrase, Old Problem

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Future of Work 3
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einstein's alley

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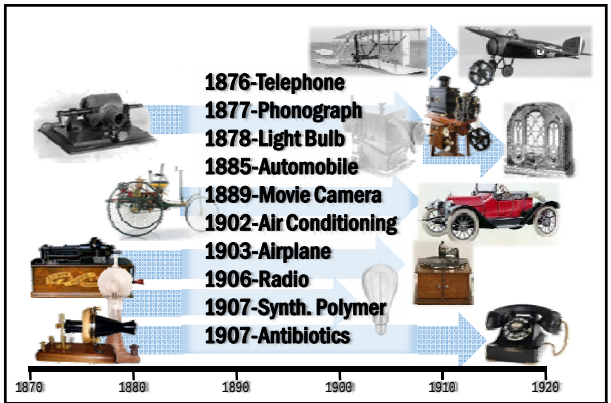

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A Generation of Innovation

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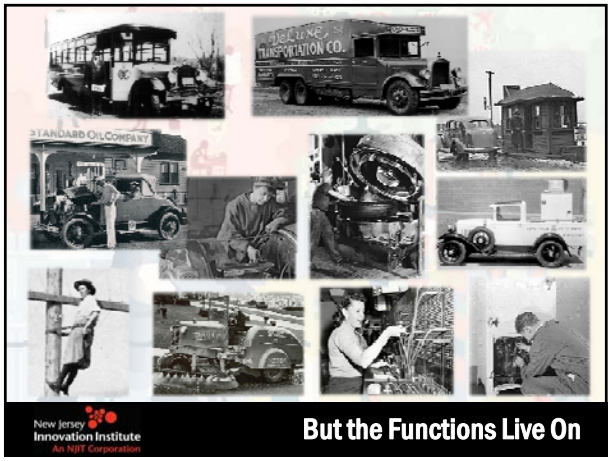
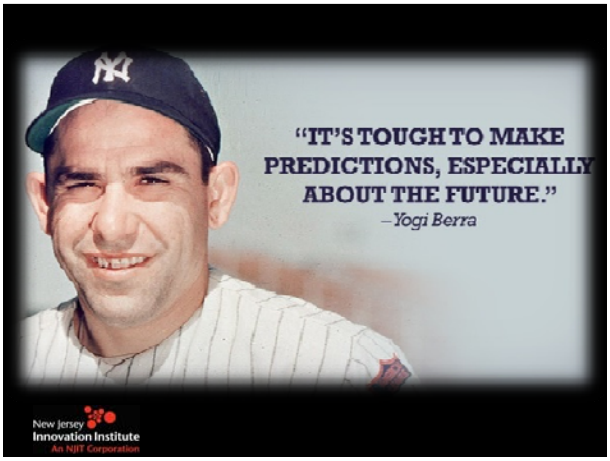
Technology Obsoletes Jobs





Disruptive technologies: Advances that will transform life, business, and the global economy

- Mobile Internet
- Cloud Technology
- Automation of Knowledge Work
- Advanced Robotics
- Internet of Things
- Autonomous Vehicles

McKinsey Global Institute (2013)

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Disruptive technologies: Advances that will transform life, business, and the global economy

- Next Gen Genomics
- Advanced Materials
- Energy Storage
- Advanced Oil Gas Recovery
- 3D Printing
- Renewable Energy

McKinsey Global Institute (2013)

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Jobs of the Future

Hybrid Verticals

Product managers, software developers, hardware designers, data scientists, user experience designers and sales managers.

Designers of medical robots, personified medical device consultants, grid modernization managers, intermodal transportation network engineers

Traditional Jobs

Low-skill and repetitive jobs will be replaced by technology. Professions spared include jobs in which creativity, intuitiveness and empathy play a large part.

New Jobs

Jobs requiring software development, data analytics and quantitative skills to support IoT enabled products and services

Traditional Verticals

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Top 10 Workplace Skills

In 2020	In 2015
1. Complex Problem Solving	1. Complex Problem Solving
2. Critical Thinking	2. Coordinating With Others
3. Creativity	3. People Management
4. People Management	4. Critical Thinking
5. Coordinating With Others	5. Negotiation
6. Emotional Intelligence	*6. Quality Control*
7. Judgement & Decision Making	7. Service Orientation
8. Service Orientation	8. Judgement & Decision Making
9. Negotiation	*9. Active Listening*
10. Cognitive Flexibility	10. Creativity

by 2020, more than a third of the desired core skill sets of most occupations will be comprised of skills that are not yet considered crucial to the job today. *The Future of Jobs - Employment, Skills and Workforce Strategy for the Fourth Industrial Revolution, World Economic Forum*

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