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#### Projectized Career Planning: Thriving in the Gig Economy

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## PROJECTIZED CAREER PLANNING: THRIVING IN THE GIG ECONOMY

Dr. Gregory J. Skulmoski Professor Craig Langston Professor Alan Patching Mr. Amir Ghanbaripour

## OUTLINE

- Sustainable projectized career
- ✓ Turbulence changing environment
- Adaptive approaches: Lean, Agile, Srums, Kanban, etc.
- Gig economy
- Continue to develop Agile competencies

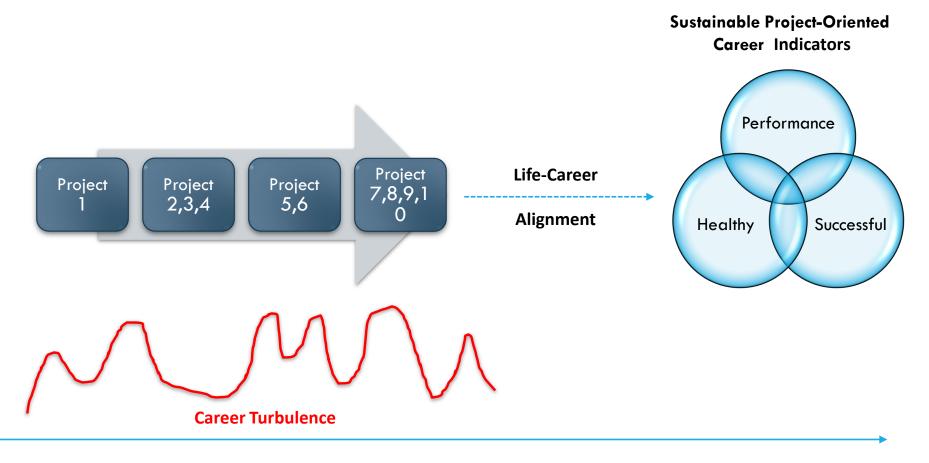
Projectized Career Planning: Thriving in the Gig Economy

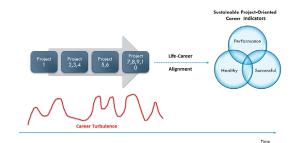
Gregory J. Skulmoski , Craig Langston, Alan Patching, Amir Ghanbaripour

Abstract (English) An area of concern and interest for most working in projects is one's career. It may be as simple as looking for the next consulting contract in the Gig Economy or planning the next 5-10 years of one's career to accommodate external considerations such as marriage or retirement. Those project participants that take a sustainable approach to career management may enjoy better outcomes. We look at the sustainable project-oriented career concept and propose key error messages that signal risks to one's career, such as the absence of substantial training or education within the past ten years. We examine the sustainable project-oriented career framework within the Gig Economy environment, including the need for periodic renewal through education and training. We review some of the innovations in education and training that project participants can leverage to improve career sustainability. The paper and presentation combine just enough theory with practical advice to develop sustainable project-oriented careers and to thrive in the Gig Economy.

## Project participants are well positioned to leverage emerging opportunities in a big way!

# SUSTAINABLE PROJECT-ORIENTED CAREER





## WINNERS AND LOSERS





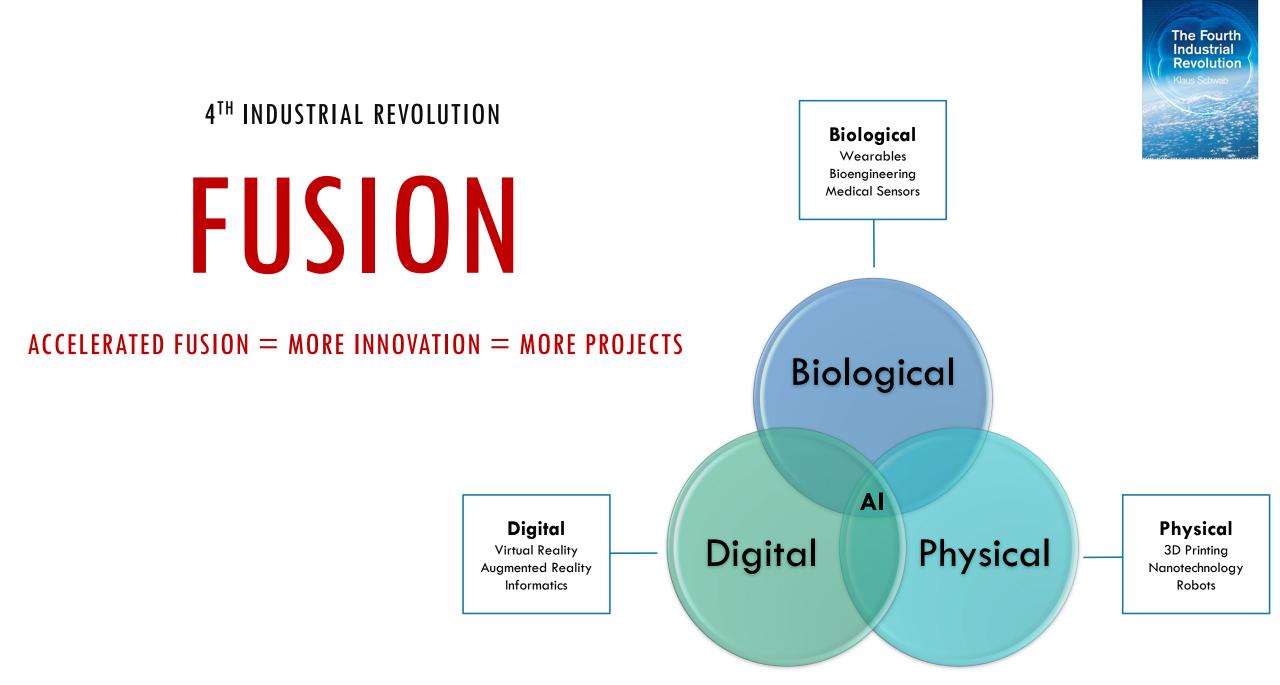


# **DO YOU HAVE THE RIGHT SKILLS TO THRIVE?**

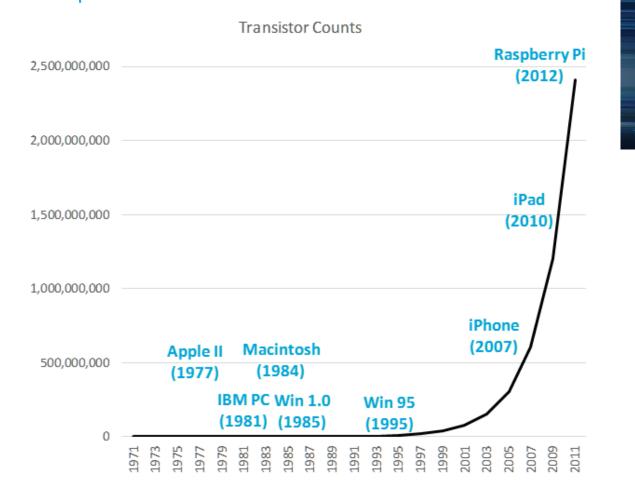


# **4<sup>TH</sup> INDUSTRIAL REVOLUTION**

18 <sup>th</sup> Century	19 <sup>th</sup> Century		20 <sup>th</sup> Century	21 <sup>st</sup> Century	
1.0	2.0		3.0	4.0	
1784	1870		1969	Now	
Water and steam power drive mechanical production	Mass production through division of labour with electrical energy		IT and electronics automate production	Cyber-physical systems applied to production	
	Industrial	Re	evolutions		



# MOORE'S LAW

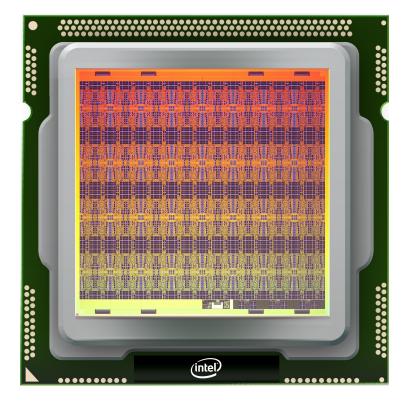


"The number of transistors and resistors on a chip doubles every 24 months" -Gordon Moore

https://newsroom.intel.com/editorials/moores-law-setting-the-record-straight/#gs.qwmui

Technology is exponentially getting smaller, cheaper and more powerful every couple of years

# **NEUROMORPHIC CHIP TECHNOLOGY**



Models the brain using a neural network on a silicon microchip,

Faster & more efficient than current carbon-based chips,

Will enable more powerful AI applications.

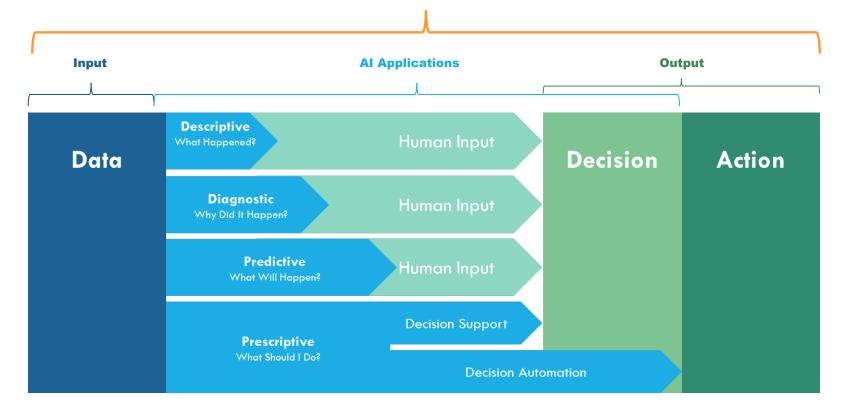
Key Point Massive innovations in supporting technology will enable emerging disruptive technologies



## **AI TECHNOLOGIES**

## **Typical AI Project**

connect data with an AI application and test its output



Target AI to improve quality for the following questions:

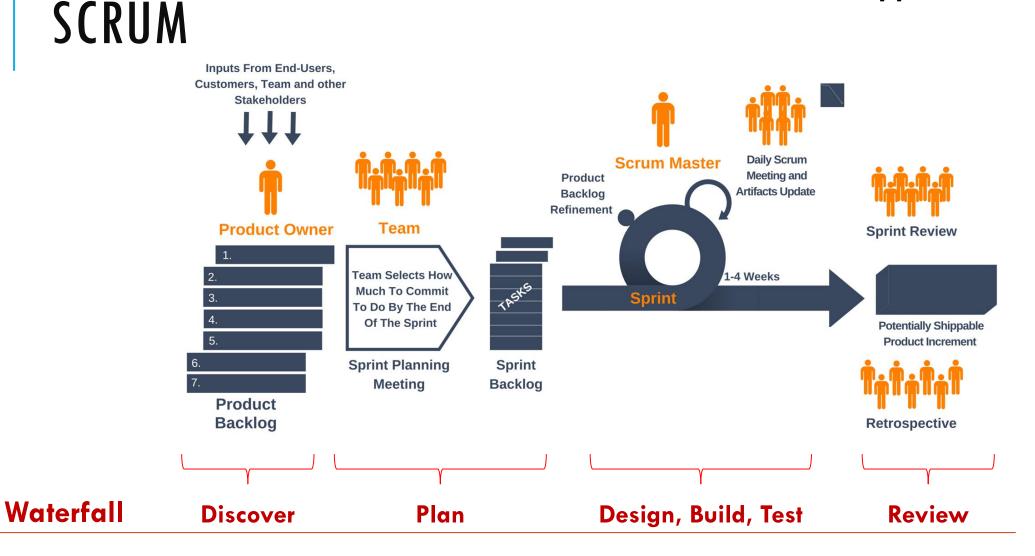
**Descriptive** What Happened?

**Diagnostic** What Did Happen?

**Predictive** What Will Happen?

**Prescriptive** What Should I do?

## Same types of phases as waterfall; but different approach and mindset!

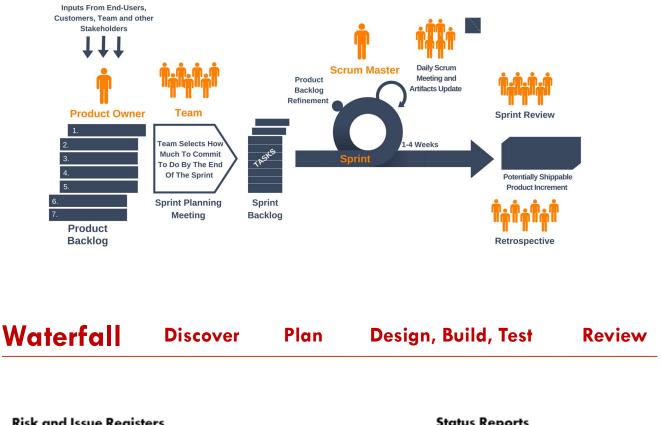


#### https://yanado.com/blog/ultimate-guide-to-scrum-project-management-framework

Manage digital transformation projects with either Agile or Waterfall delivery methods,

Include simple, best practices like managing risk and reporting progress

**PMO** 



#### **Risk and Issue Registers**

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#### **Status Reports**

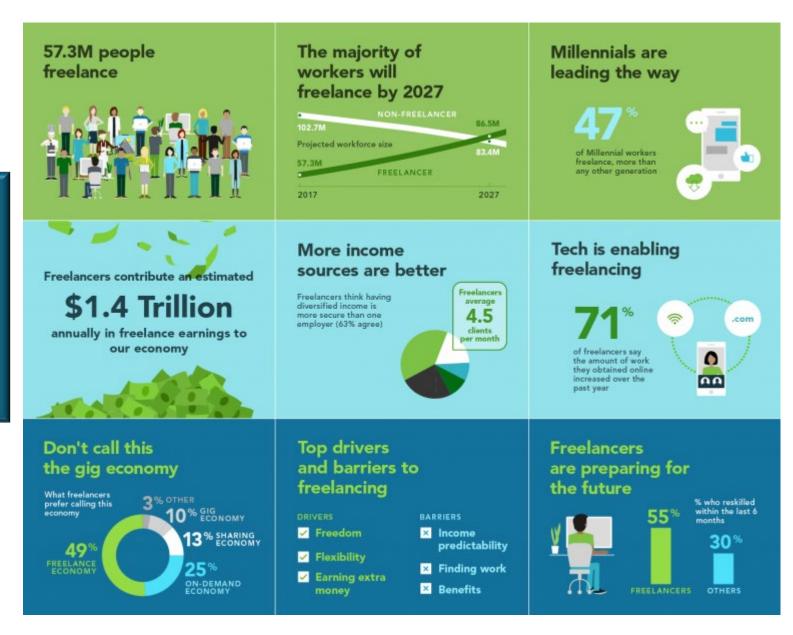
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# **GIG ECONOMY**

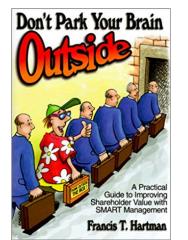
Gig Economy = Temporary Work

Temporary Work = Project Work!

More Project Work for the Skilled!



## GIG ECONOMY SIMPLIFIED

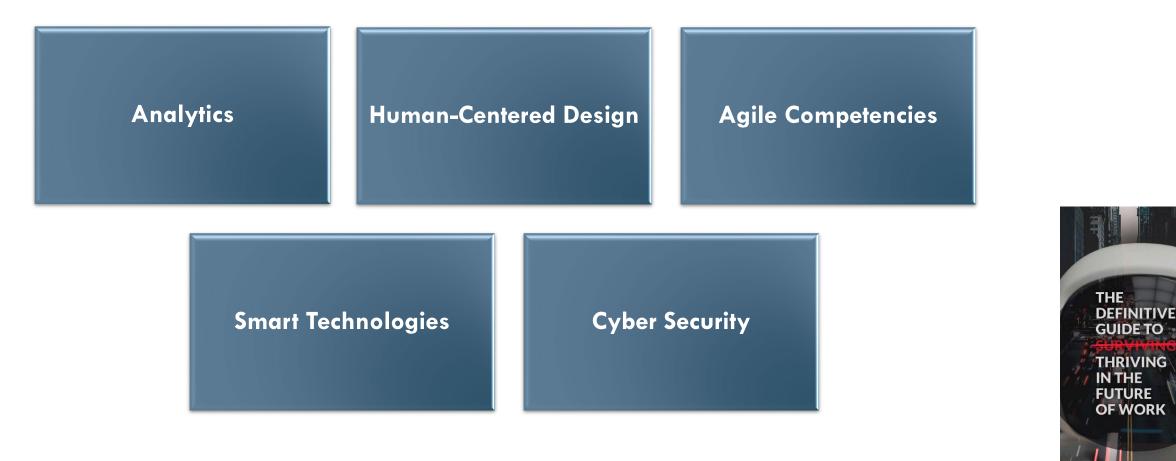






At the end of the project, we turn this around. There is an "F" on the other side.

## WHAT DO ORGANIZATIONS NEED NOW AND IN THE FUTURE?



OPEN UNIVERSITIES

## NEW PRINCIPLES AND VALUES, NEW APPROACH

Behavior

A 1 D	• • •		Gu
2. Accommodate chan	on through early and o	continuous software deliv oughout the developmer	

Working software is the primary measure of progress
Agile processes to support a consistent development pace
Attention to technical detail and design enhances agility
Simplicity
Self-organizing teams encourage great architectures, requirements, and designs
Reaular reflections on how to become more effective

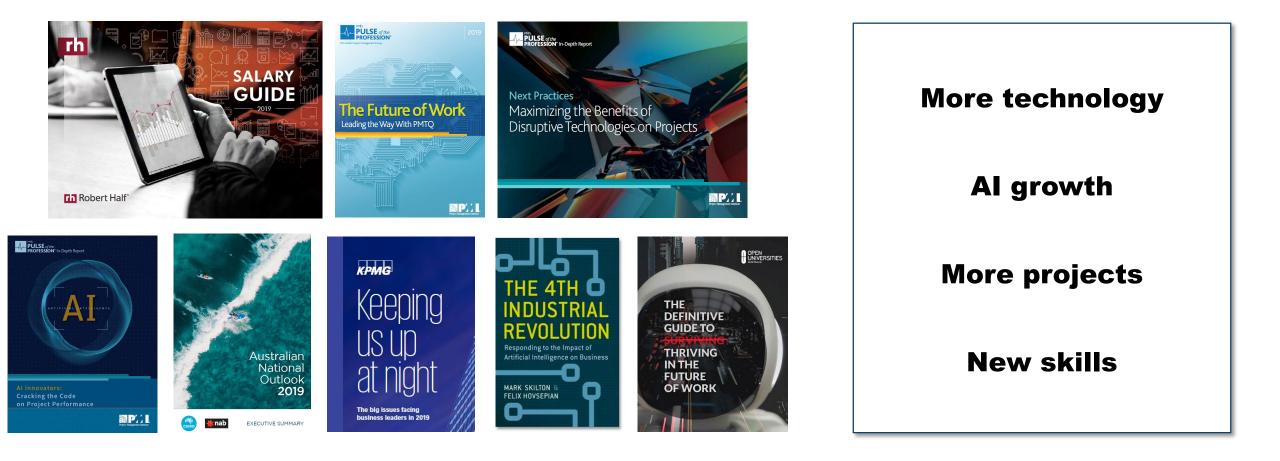
ile Manifesto

# Agile Delivery Method

### All About Attitude

Project teams struggle with Agile when they deviate from the Agile Manifesto

## DEMAND FOR DIGITAL PROJECT MANAGERS



# CONCLUSION

- ☑ Sustainable projectized career
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