Audit Committee Seminar 2018

AC in the Age of Disruption

Learn, Unlearn and Relearn

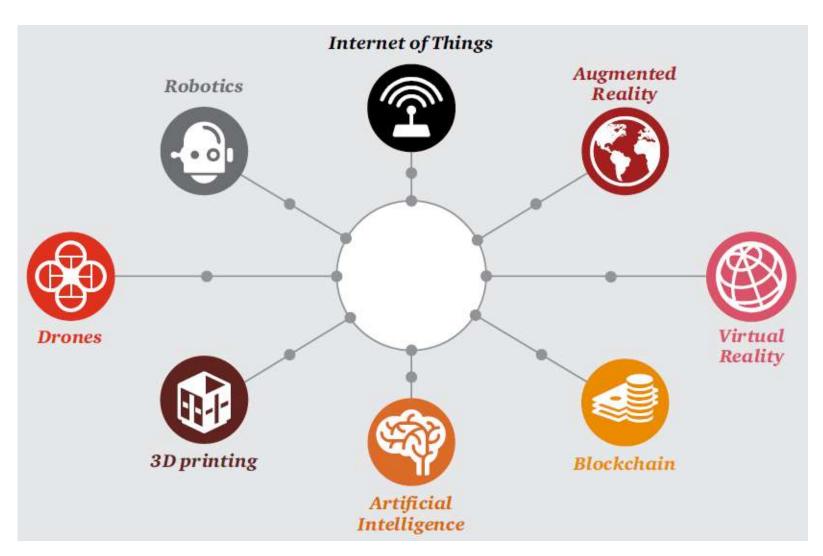
12 November 2018

Varunee Pridanonda Partner - Governance, Risk and Internal Audit Services



Technology

The Essential Eight Emerging Technologies



Evolution of business process automation

Evolution of business process automation



Intelligent automation

Optimizes business processes by using RPA and AI to Identify patterns, learn over time, and make predictions

Aka: cognitive computing, smart workflows



Autonomous intelligence

Automates decision-making processes without human Intervention while putting controls into place



Macros and scripts

Enable business users to automate rule-based activities within a single application



Robotic process automation

Automates labor-intensive activities across multiple systems by training or programming software robots to replicate a user's workflow

Aka: RPA, digital labor, bots

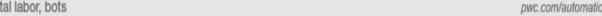


Process orchestration

Reengineers existing business processes by using software, Integrating systems, and restructuring labor to optimize workflows

Aka: Intelligent business process management

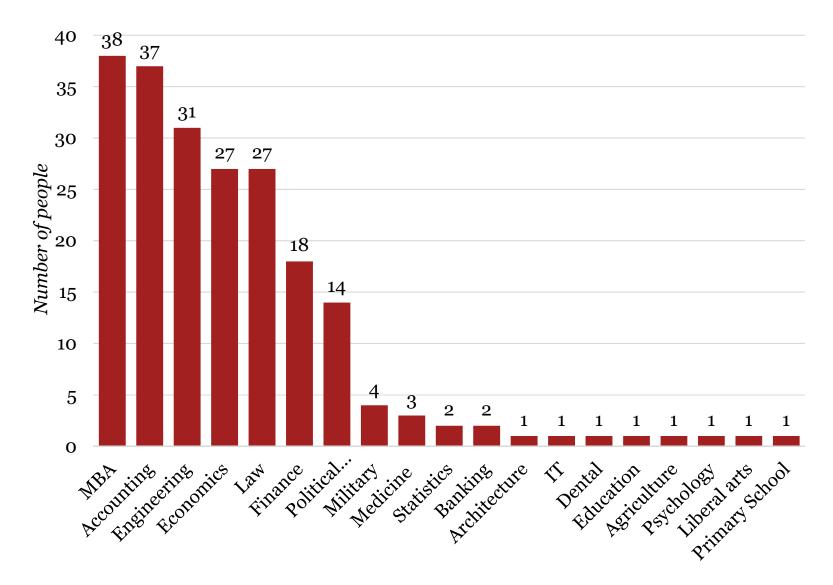
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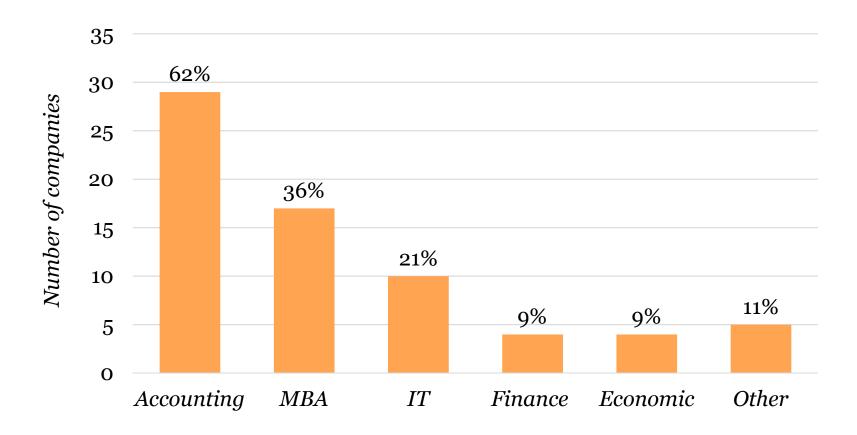
Audit Committee Background

- Chairman & Members



Chief Audit Executive

- Background



The Evolving Role of
Audit Committee and Auditor
in the Digital Age

Big Challenges in the Digital Age



P2P - Lending

Peer-to-peer lending (crowd bonds) companies match lenders directly with borrowers through online services.



Big Data Credit rating

The bank offer loans to individuals based on their creditworthiness analyzed with online data. The credit rating changes in real time.



Cryptocurrenci

A cryptocurrency is a digital or virtual currency that uses cryptography for security.





Crowdfunding

A financing method that involves funding a project with relatively modest contributions from a large group of individuals, rather than seeking substantial sums from a small number of



P2P transactions

Person-to-person payments (P2P) is an online technology that allows customers to transfer funds from their bank account or credit card to another individual's account via the Internet or a mobile phone.



Robo-advisors

Human intervention is being replaced by robots especially in the wealth management.





"We are a technology company."

Lloyd Blankfein

CEO, Goldman Sachs

Previous Submission

Goldman Sachs – A Technology Company?

Next Submission 🕣



Written by Brittany W, Posted on April 26, 2018

GOLUS

In early 2017, Lloyd Blankfein (Goldman Sachs CEO) stated "We are a technology firm. We are a platform." Goldman Sachs still has a long way to go, but is taking steps in the right direction to effectively employ digital technologies. What does this mean for the future of the traditional investment banking industry? Is human capital still a bank's greatest asset?

MANAGING THE ENVIRONMENT CHANGES

Disruptive
technology
Cloud, Blockchain, Big
data, AI

Changing
business models
Rise of FinTechs/non-banks

Increasing regulations
KYC, AML, FATCA etc.

Cybersecurity attacks
GDPR/Data Privacy

MEETING
THE CUSTOMER'S
EXPECTATIONS

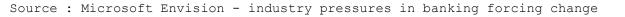
Changing demography/
preferences
Millennials / GenZ

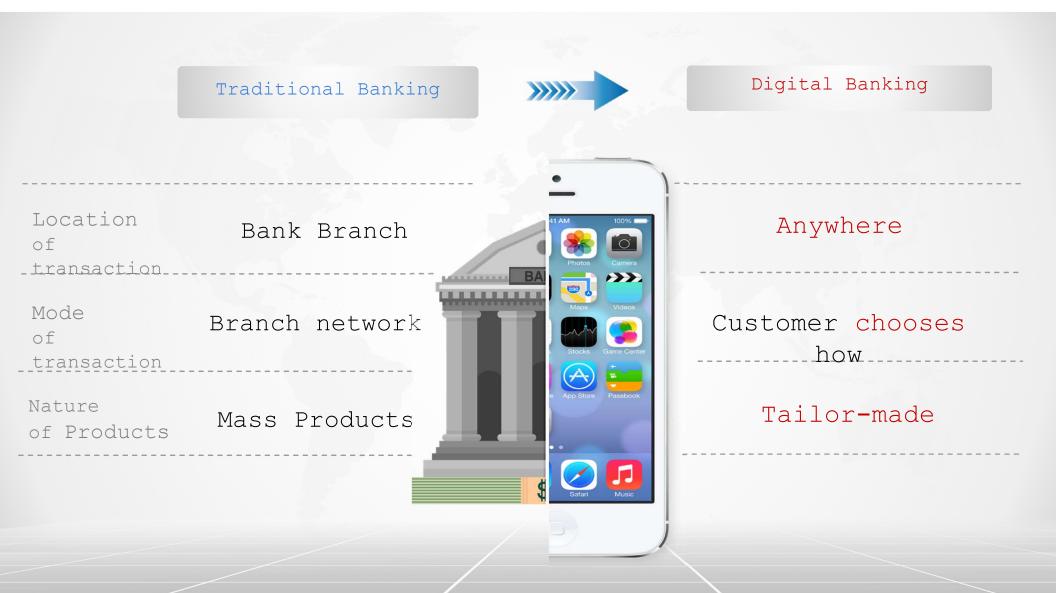
Increasingly
sophisticated
customer

Demand for Self-service banking

Concerns about Security







Source : Change management - Bank digitization (Cardiff Metropolitan University)

Audit Committee in the Age of Disruption

Audit Committee in the Age of Disruption



Rethinking risk oversight

- Is there clarity on top five strategic and operational risks facing the company?
- Is risk oversight properly communicated among the board's various committees?



Oversight of Corporate Risk Culture

Corporate risk culture must be top of mind for corporate boards, and also for audit committees given their focus on ethics and compliance and the hotline process.



Talent

- Audit committees must continue to help ensure that technology is being leveraged properly and in a way that complements and amplifies the strengths of their human auditors.
- Does the company have sufficient internal audit resources?

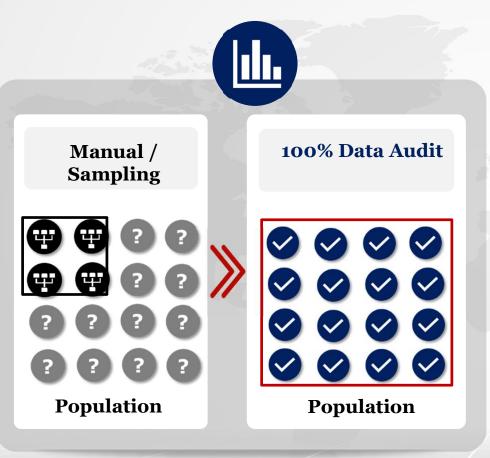


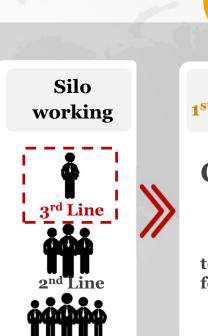
Cybersecurity

The audit committee can help assess the policies and procedures that management has in place to help prevent corporate espionage and safeguard the ability of the business to continue uninterrupted.

Internal Audit in the Age of Disruption

What we need to change





1st Line



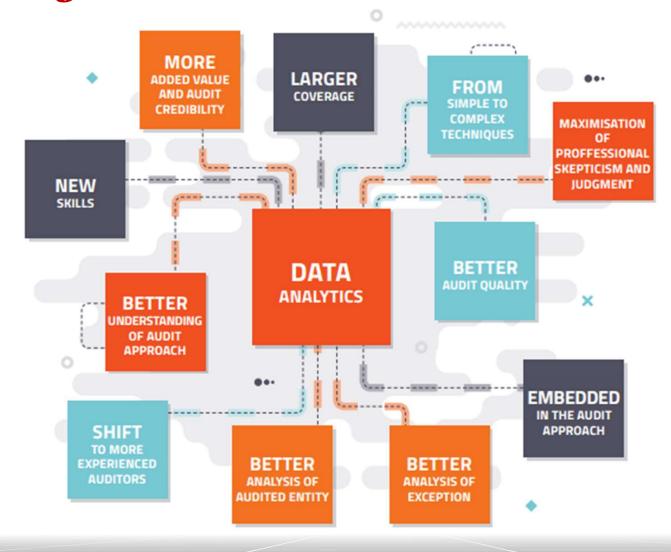
Collaboration with 1st and 2nd lines of defense

Collaborate with

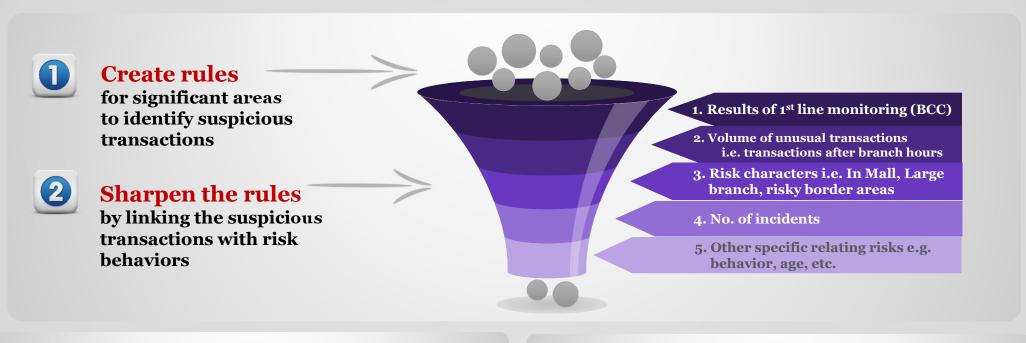
- Compliance
- Operational Risk
- Financial Crime etc.

to ensure overall assurance for the organization.

Data analytics become a Game Changer for internal audit

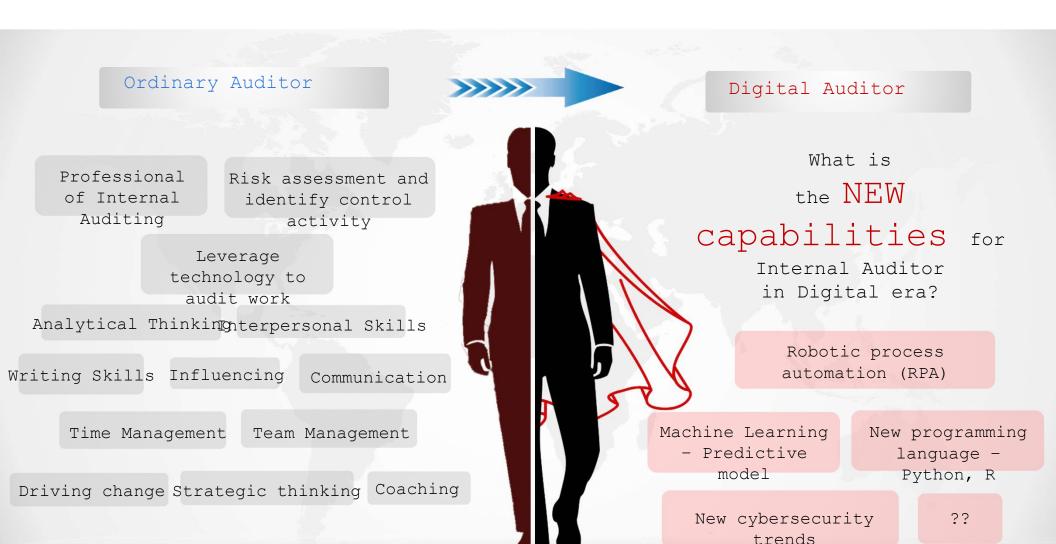


Data analytics journey









Conclusion of Internal Audit in the Age of Disruption



Focus on Assurance

By continuing to focus on risk management, control, and governance, auditors can help ensure that processes are designed and operating effectively - regardless of the speed of disruption.



Engage with Stakeholders

Align internal audit's work with the expectations of internal audit's key stakeholders.



Invest in Training on Disruptive Technologies

Develop an adaptive, flexible, innovative staffing model to tap into a highly specialized talent pool with technological competence and the ability to rapidly understand and leverage new tools, techniques, and processes.



Put New Technologies to Work

Must take advantage of machine learning and data analytics in their audit processes — real-time auditing should be a requirement as organizations implement new business processes.

Thank you

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