



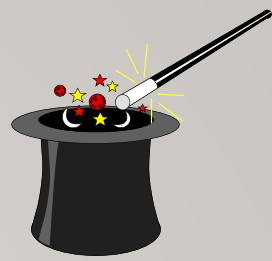
**WIRC**

**CONCLAVE ON  
INTERNAL AUDIT**

**7<sup>TH</sup> & 8<sup>TH</sup> FEBRUARY 2020**

# TRANSFORMING IA

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## Three waves of Automation:

- (i) Algorithmic Wave: Simple Tasks
- (ii) Augmentation Wave: Repeatable Tasks
- (iii) Autonomous Wave: Physical Labour

# TRANSFORMING IA

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- Cyber Security
- Block Chain
- Robotic Process Automation (RPA)
- Data Analytics & GDPR
- Artificial Intelligence

# TRANSFORMING IA CYBER SECURITY

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- **Protect** Networks & Computers
- Control unauthorized **access**
- Extending **beyond** the office
- Security of **Drives & Disks**
- Precautions re **Viruses**
- Keeping devices, hardware, software **up-to-date**
- **Responsibility** fixing
- Staff **training** and awareness
- Record keeping & **testing Security** measures
- **Recovery** Plan and Disaster Management

# TRANSFORMING IA BLOCK CHAIN

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- Secure
- Self-auditing
- Transparency
- Trail & Compliance
- Encrypted - minimizes fraud
- Minimizes need for intermediation

# TRANSFORMING IA ROBOTIC AUTOMATION PROCESS (RPA)

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- Automates existing, not rewrite
- Faster & Accurate
- Large volume
- Not for dealing with humans

# TRANSFORMING IA DATA ANALYTICS & GDPR

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- Integration
- Diverse Live data
- Presentation
- Trends
- Dashboards
- Vast volumes

# TRANSFORMING IA ARTIFICIAL INTELLIGENCE (AI)

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- Machines will do tasks
- Humans will set context.
- Post AI –
  - humans define problems,
  - Machines perform steps to solution.



# FRAUDS

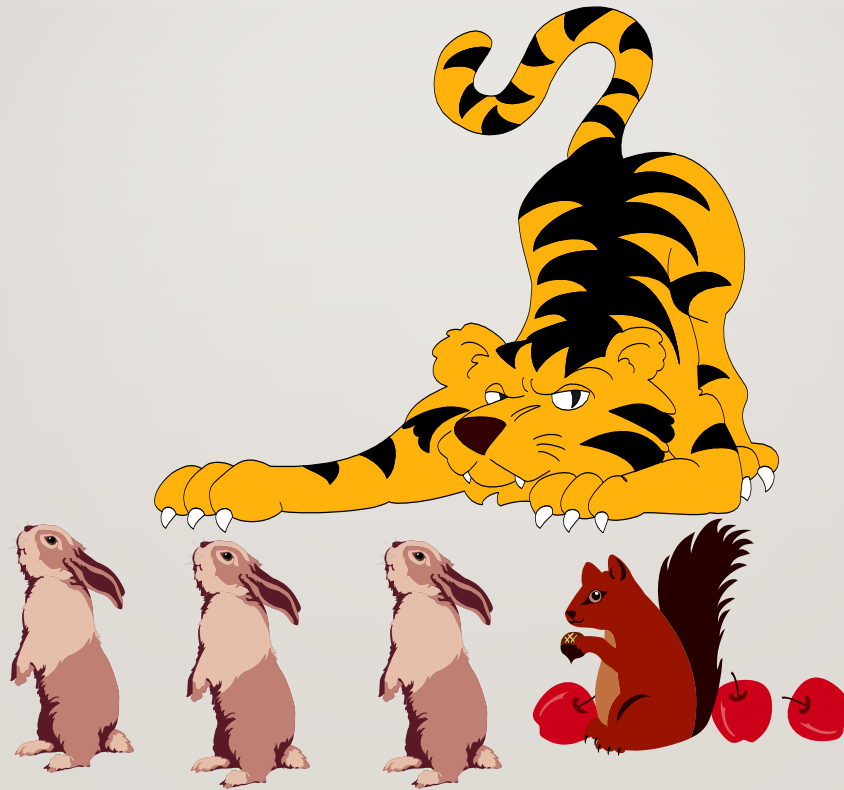
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- Auditing may evolve towards forensics
- Omission, Concealment of fact, Abuse of position
- No materiality threshold stipulated
- What is expected

# AUDIT COMMITTEE

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*THANK YOU.....*

*PRESENTATION BY :-*

*Y.M. KALE*