



# *The Far Side of Digital World*



Digital World @ Its Origin

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25/11/2016



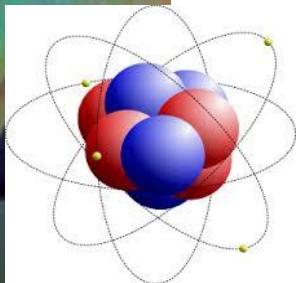


*things do not happen  
the way we want*



# The Power of Complexity

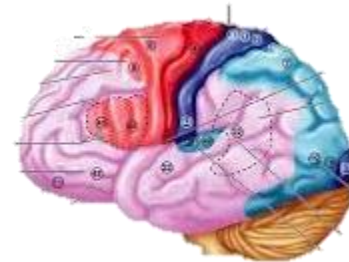
It Begins with Atom



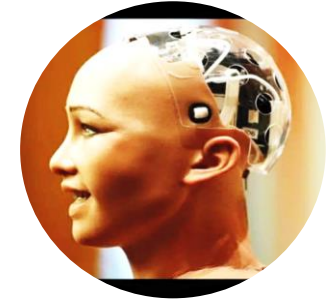
Atom



Atom arrangement



Intelligence



Humanoid

*Bio & Social Complexity*



*Nature to be commanded must be obeyed*

Sir Francis Bacon (1561-1626)

# The Digital Transformation



**OUR FOCUS**



**WE ARE  
HERE**



# The Unbounded Data World



## Classic World

- *Macro Perspective*
- *Course Grained Examination*
- *Closed System*
- *Scarce Resources*
- *Upward Power Distribution*

## Digital World

- *Micro Perspective*
- *Fine Grained Examination*
- *Open System*
- *Unlimited Data & Its Values*
- *Fair Power Distribution*



# The Darker Side



- Observation  
*Data Formation*  
*Digitization*  
*Computation*  
*Data Uses/Applications*



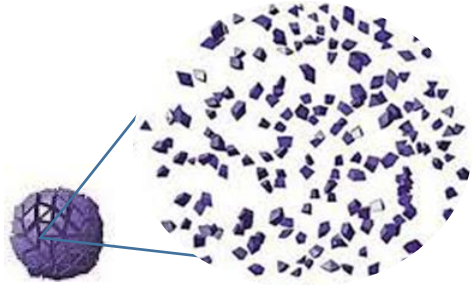
**The Nature Big Data**

## The Unspoken Nature

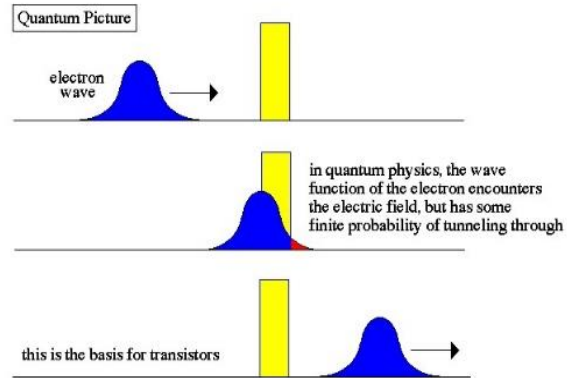
- *Scientific method to probe and formulate theory to interact in natural world*
- *Untold Findings*  
*Entropy*  
*Superposition*  
*The Uncertainty*  
*Entanglement*



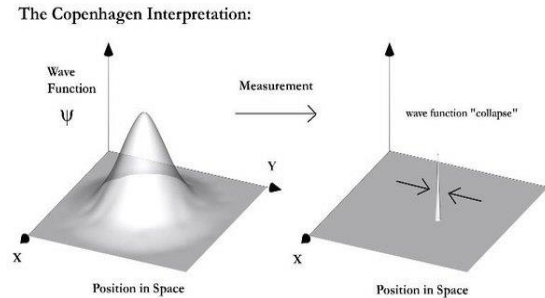
# The Weird Nature



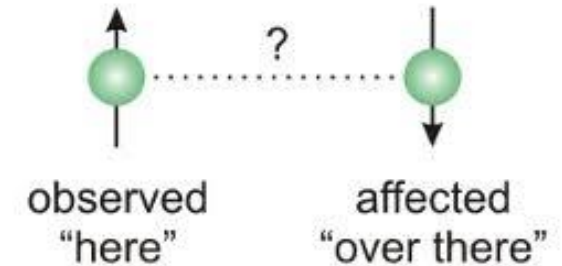
**Entropy:**  
-Disorder  
increases  
over time



**Superposition:**  
-Mass and Wave are  
same thing  
-Wave of Probabilities  
collapses to What We  
See when Observed



**Uncertainty:**  
-Mass and Move  
cannot be simultaneously  
accurately Measured



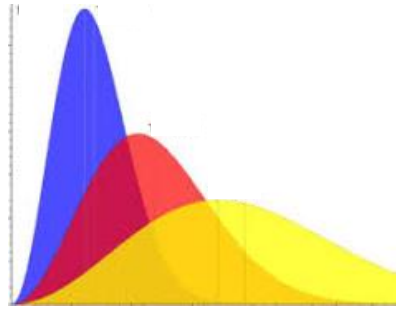
**Entanglement:**  
-Paired Masses mirror Each  
Other & Instantaneously correlate  
regardless of Distance

# Playing Nature



## Entropy:

-Social Complexity  
keeps Increasing



## Superposition:

-Body and Mind draws  
an analogy of Duality of  
Particle and Wave  
-Things are in State of  
Probabilities until the time  
observed



## Uncertainty:

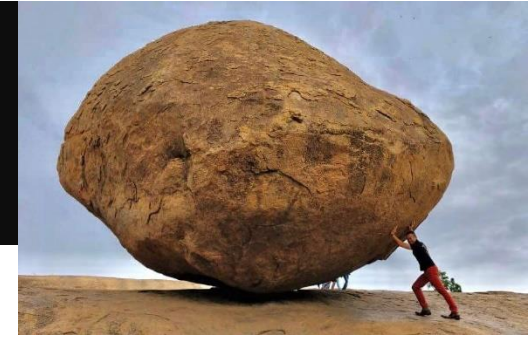
-We can set Specific Task  
to be done but cannot  
precisely time the  
accomplishment & vice  
versa



## Entanglement:

-Global Connected Networks  
-Integration of Telecom  
Technologies

# Vying for Human Greats



*Nature*   *Digital World*

1. *Duality of Things*
2. *Big Data*
3. *Blockchain*
4. *AI Human Robot*
5. *Internet of Things*
6. *Internet*
7. *Entanglement*



# The Reality

*The World of  
Man Made*



## Government Casts Nation's Future

- Making Policy Choice
- Writing Laws & Regulations  
for All Economic & Social  
Activities
- Keeping Government System  
Foolproof
- Perpetuating Bureaucratic  
Inertia and Transactional Costs



## People Yield to Autocratic Power

- Social Norm, Value & Culture  
Compel Authority Obedience
- Personal Benefits contends for  
Authority Power
- Authoritarian is the Final  
Arbiter*



# Message



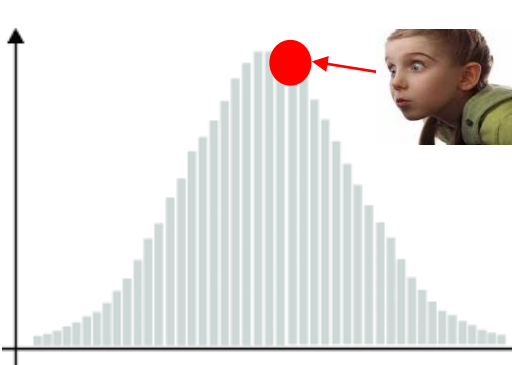
- *Digital world is better understood by contemplating how Nature reacts*
- *Digital world emulates Nature by using Data and Computation*
- *Nature arranges atomic particles that perfectly fit together to form the whole Space-time phenomena*
- *The Purpose of Life can only be accomplished by Obeying the Nature*
- *Nature gives us unlimited Probabilities for Future. Prediction, Expectation, Fixed Plans, Laws/regulations cannot be assured*
- *Management Ability is the optimal way to Grow in the Digital World*

# Outgrowths of Complexity

## *Forging New Way to Communicate*

- *Trending words, buzzwords, clickbait alter the way we define things, interact & understand*
- *Local Values & Culture prejudice our Decision*
- *Mounting complication in Interpretation of laws & regulations*
- *Fear of Newness flaws confidence of Trust & Security*
- *Widenings of Inequality of Benefit Distribution*
- *Conflicting interests from Global Agreements*
- *Breaching law of Nature fuels Negative Feedbacks*

# Why Matters



RETHINK ↔ INTERACT

- *Sustainability only works under the Force of Nature*
- *People ignore Air, Laws, Illness until hit by them*
- *Nature does not permit Single Track action, Opposite reaction always emerges to keep system balanced*
- *Knowing gives Choice, Understanding gives Prudent Decision*
- *All Aspects of Digital Changes must be factored into Government Policies to mitigate Self Created Exposures*



# The War Room

*Get them to Think, Innovate, Disrupt!*



*The Miracle is coming*

# Nature Favors Simplicity



- *Start Small and make it Grow*
- *Stay Balanced in Space-time setting*
- *Self-regulation*

**REMINDER**



- *Questions trigger more questions*
- *Clear definition on terms to identify precise goal to achieve*
- *Do not discount other Ideas*
- *Build a perfect-fit Jigsaw Piece to put together the intended picture*
- *Nature silently watches us and prevails*



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# Strategic Move

- *Government policy choice and supporting laws*
- *Local Interests & Needs*
- *Reduction of Inequality of Economic Benefits Distribution*
- *Managing Asymmetrical Cost of Trend Catching*



# Unlimited Options

## *Policy/Institution*

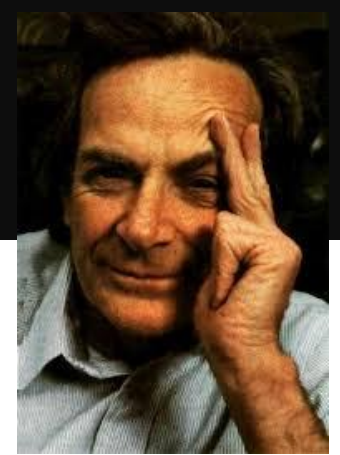
- *Digital Issue Management Institute. Research and recommend Digital Direction, priority & Policy Choice*
- *Future of Public Servant Institute to upskill civil servants*
- *ASEAN Digital Forum to roundup leaders to improve state of Digital World*
- *Trial practices before legislating Laws & Regulations*

## *Projects/Actions*

- *National SME Cluster*
- *Dynamic Taxation*
- *Funnel Tax to areas it earned*
- *3D Teachers to build up Digital citizen*
- *Use Blockchain to uplift benefits for low Incomers*
  - *Certify skills for higher Pays*
  - *Record and track Social Credit*

## Conclusion

- *Digital technology brings us quick win experiences but also unheeded violation of nature's balanced state*
- *To grow and sustain in Digital World we must keep inline with Nature*
- *The future to come depends on how we step-up or slow down digital pace and enthusiasm*
- *Success of Digital Transformation rest on government policy & management ability*
- *No shortcut until we better understand the Nature*



*Richard Feynman*

*If you think you understand Quantum mechanics, you don't understand Quantum mechanics.*

A hand holding a key against a blue sky with clouds. The hand is positioned in the lower center, holding a key that points upwards. The background is a bright blue sky with scattered white clouds. The text "Will We Do?" is overlaid in the center in a bold, red font.

**Will We Do?**

*We Know!!!!!!*

