

# Infinite Sum Modeling



Data Science | Economic Modeling | Educational Services

IoT, Big Data Analytics and Machine Learning Applications for  
Industrial Productivity

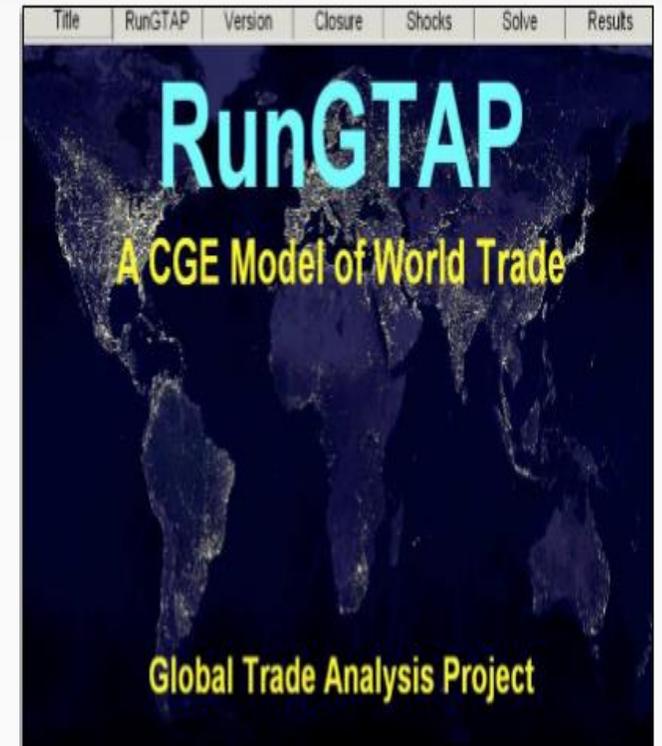
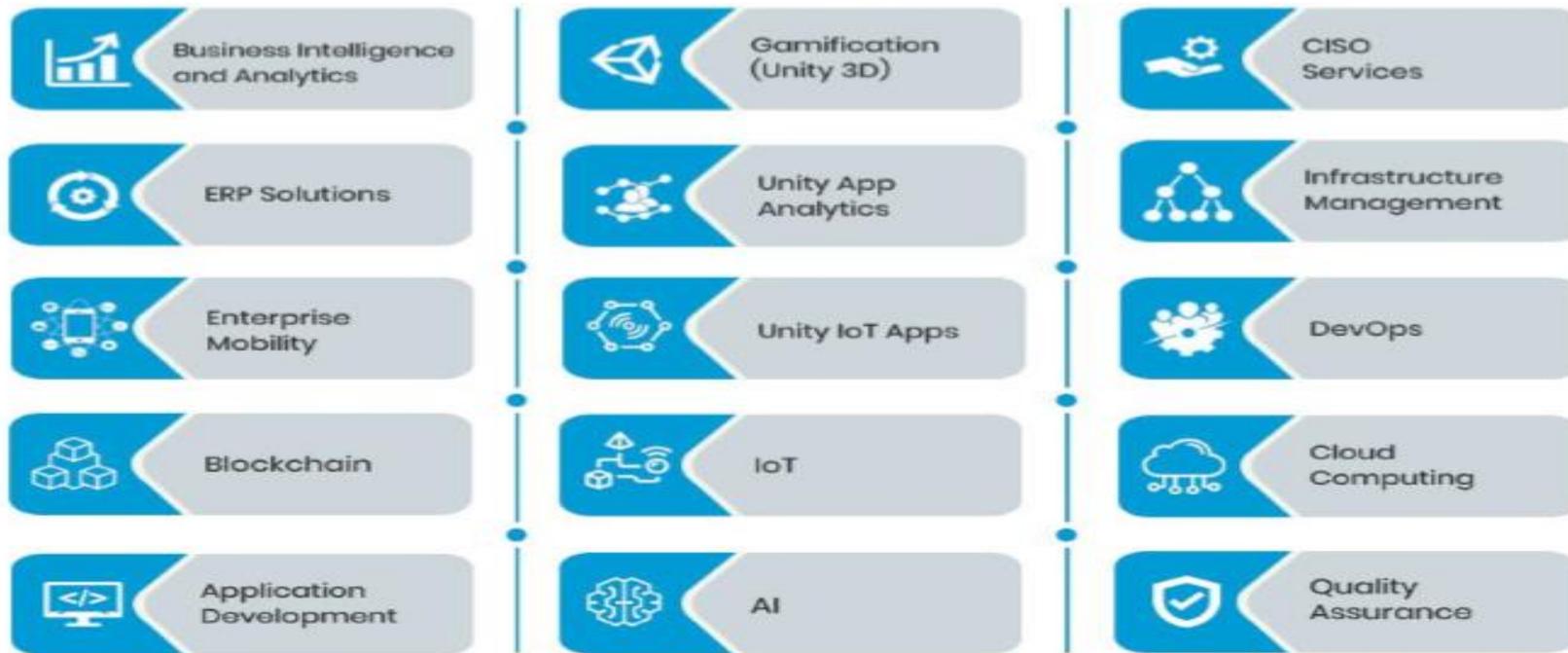
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24 Oct 2018; Malaysia

# Agenda

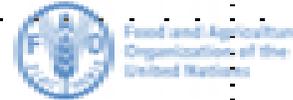
- Introducing Infinite Sum Modelling
- What's IOT !
- Industrial IOT and SDG's
- IOT in Preventive Manufacturing – IOT Use Case
  - Pipeline Pigging
  - Diagnostic Trouble Code Analysis

# Our Offering; Select Partners & Clients

## LINES OF BUSINESS



### Select Clients



### Select Partners



# What's IOT?

- IOT is a platform where we can connect everyday things embedded with electronics, software and sensors to the internet enabling them to collect and exchange data

Mobile Gyroscope



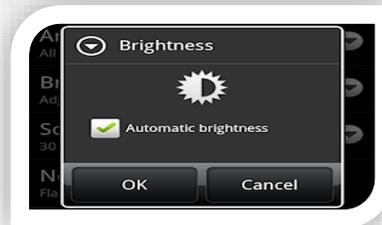
Voice Recognition



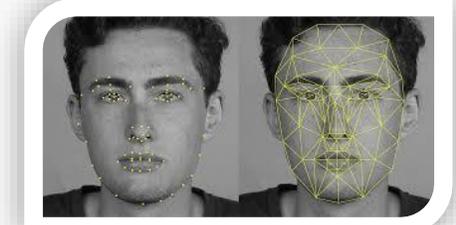
GPS Tracking



Adaptive Brightness



Facial Recognition



# Industrial IoT and SDG's



# Pipeline Pigging



## Business Problem

Accurately predict the defect in oil & gas pipelines



## What did we do?

Machine learning models on IOT data to identify  
100% true positives

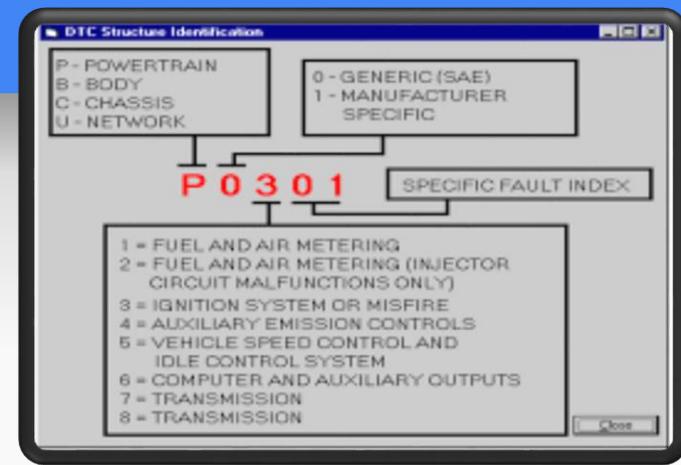


## The impact !

90% reduction in false alarm  
Analyst time reduced 50%  
Perfect defect prediction  
Highly reduced inspection cost



# Diagnostic Trouble Code Analysis



## Business Problem

An automobile major wanted to study pattern of DCT to predict the lead time to part failure, improving customer experience



## What did we do?

Implemented frequent pattern algorithms to identify the difference between DCT & part failure



## The impact !

End customer intimated on time  
Accurate workload forecasting  
Subsequent part failure averted



Thankyou