

AI-in-a-BOX

Artificial Intelligence - Machine Learning - Deep Learning

23-24 March 2021

(2-Day Session)

Artificial Intelligence, Machine Learning and Deep Learning are more than buzzwords. They are a reality in the digital world and more and more so in our daily lives. But how do we apply these technologies in our businesses without spending a fortune?

Team SYNthesis is pleased to invite you to attend a 2-day Workshop of the future, aimed at answering burning questions regarding how to apply these bleeding edge technologies.

It is a fast-paced, practical and outcome-based Workshop that will kickstart your AI and ML application journey!

PLC
Project Leadership Course
A.O. READY
EXECUTIVE DEVELOPMENT



<https://rb.gy/m0djrd>



<https://rb.gy/1oio8u>



<https://rb.gy/xtb97j>

ABOUT THE AI-IN-A-BOX TRAINING

What To Expect?

At the end of the workshop, participants will be able to:

- Provide a realistic definition of what AI is
- Understand the landscape of the AI and ML technologies
- Choose and prepare a dataset to be used by AI/ ML algorithms
- Articulate the way forward for their own business.

Who Should Participate?

AI-in-a-Box workshop is ideal for organizations which would like to use and implement AI technologies in their businesses without spending a fortune on costly resources. Database Administrators, Data Owners, Business Strategists, CDOs, CTOs, CIOs, IT Managers.

Who Are The Trainers?



Chee-Peng TAN is a humble and practical **Industry 4.0** practitioner with **36 years** of experience. Having assisted his repeat LLC/MNC clients in the successful implementation of multi-billion project portfolios, he will be fondly remembered by more than **8,000** PMs/senior management from **80 countries** across 6 continents for career-defining approach to making things happen and delivering business outcome. **First Class Honours**, Imperial College UK; CITPM Senior; **International Who's Who of Professionals** for 1999; **Board of Assessor** Singapore National IT Skills Certification Programme; **Fellow Member** and Roll of Honours Singapore Computer Society; Mauritius **SAPES**-recipient and **Honorary 300** of the Singapore National Infocomm Registry for ICT Professionals, 2011-2013. **Fellow** Mauritius Institute of Directors (F.MIoD). A Strategic Services Consultant specializing in **Business-IT Planning**, **Industry 4.0 Programme Management** and **PMO/Business-IT process automation**, previously the Vice President, Technology of Citibank N.A., Singapore; Managing Partner of **Andersen Worldwide** for Mauritius and East Africa, now Group CEO of the **BTI Group** with market presence in **Asia & Africa**.



Marc ISRAEL is an Entrepreneur, Thought Leader, Lecturer and Public Speaker, with more than **30 years** of success across the IT industry. Leveraging extensive experience in technical leadership for small and large organizations, Marc is a valuable asset for companies requiring expert assistance with next stage development, business planning, competitive positioning, and value-add through IT actionable strategy. His broad areas of expertise include digital transformation, cloud enablement, blockchain and **artificial intelligence**, for technical and organisation leadership. Marc holds a Masters of Sciences of Engineering from École Supérieure d'Ingénieurs en Électrotechnique et Électronique in Paris, majoring in **Robotics**. He has completed **INSEAD** and **Wharton** Executive Education (with distinction) programs. Marc is the recipient of the **National Champion** of Public Speaking Award at the Mauritius Convention (2010, 2013, and 2015).

AI- IN- A- BOX TRAINING AGENDA

Day 1

Time	Module
08:00 – 08:30	Welcome Coffee
08:30 – 09:15	Data Leadership 4.0 Trends
09:15 – 10:00	What are AI, ML and DL <ul style="list-style-type: none">• AI, the Hollywood dystopian view• ML, DL, the reality of current technology• Where does the human fit into ML
10:00 – 11:00	ML, real-life solutions for real-life challenges <ul style="list-style-type: none">• Visual Recognition, Natural Language, and Prediction• The Evolving Business Landscape of Machine Learning• The Fast Evolution of Auto ML
11:00 – 11:30	<i>Coffee/Tea Break</i>
11:30 – 12:30	Machine Learning in Numbers <ul style="list-style-type: none">• Statistics, Probabilities, and Common Sense• From Business Intelligence to Data Science• Classification, Clustering and Anomaly Detection
12:30 – 13:30	Lunch
13:30 – 14:30	Hands-on <ul style="list-style-type: none">• AI/ML Architecture• Computer Setup• Dataset discovery
14:30 – 15:30	Data Exploration and Visualisation <ul style="list-style-type: none">• From correlations to visualisation• Finding and fixing data quality issues• Data preparation
15:30 – 16:00	<i>Coffee/Tea Break</i>
16:00 – 17:00	Hands-on <ul style="list-style-type: none">• Dataset preparation and visualisation

The latest data shows that the market size of artificial intelligence was valued at **\$27.23 billion** in 2019. This figure is projected to reach **\$266.92 billion** by 2027—a nearly tenfold increase in just eight years and with a Compound Annual Growth Rate (CAGR) of 33.2 percent.

Fortune Business Insights, 2020



Artificial intelligence statistics from a recent survey show that **more than nine in ten** (91.5 percent) top businesses surveyed report having an ongoing investment in AI.

NewVantage, 2020

AI-IN-A-BOX TRAINING AGENDA

Day 2

Time	Module
08:00 – 08:30	Welcome Coffee
08:30 – 9:30	Recap of Day 1 and Hands-on <ul style="list-style-type: none">Summary of Data PreparationDiscovering and fixing issues of a new dataset
9:30 – 10:30	Machine Learning Algorithms <ul style="list-style-type: none">Native Bayes, Generalized Linear Model, Logistic Regression, Deep Learning, Decision Tree, Random Forest, Gradient Boosted Trees, SVM, kMeansHyperparameters TuningFeatures Engineering
10:30 – 11:00	Coffee/Tea Break
11:00 – 12:00	Hands-On <ul style="list-style-type: none">Running Auto-MLAnalysing, questioning and understanding resultsSharing insights
12:00 – 13:00	Lunch
13:00 – 14:00	From Models to Explainability to Actions <ul style="list-style-type: none">Impact from features valuesUnderstanding and explaining model conclusionsExporting predictions
14:00 – 15:00	Hands-On <ul style="list-style-type: none">Tweaking modelsExporting predictionsDocumenting steps
15.00 – 15.30	Coffee/Tea Break
15:30 – 16:15	What's next? <ul style="list-style-type: none">Deploying and Running ModelsQuestioning results and looking for biasesBeing curious and open-minded
16:15 – 17:00	Data Economy — The Next Level

According to a study by Creative Strategies, only 2% of iPhone owners have never used Siri, and only 4% of Android owners have never leveraged the power of OK Google. When it comes to usage, 51% use voice assistants in the car, 6% in public, and 1.3% at work.

Creative Strategies, 2020



Customers will give up on a search after 90 seconds, according to research conducted by Netflix, supported by other artificial intelligence statistics from 2017. With this in mind, Netflix implemented a working machine learning algorithm that now automatically recommends personalized movies and TV shows to subscribers.

Forbes, 2020



AI-IN-A-BOX REGISTRATION FORM



PARTICIPANT DETAILS

Title (Mr/Mrs/Ms/Prof/Dr):	Family Name (Surname):	First Name
Organization Name	BRN No.	Designation
Organization Contact No	Organization Email	Meal Preference <input type="checkbox"/> Veg <input type="checkbox"/> Non-Veggie
Mobile No with Whatapps	Personal Email	Date of Birth

REGISTRATION DETAILS

- ☐ **AI in a BOX, Mauritius 25-26 March 2021**
(2-day Industry 4.0 Workshop)
- ☐ **AI in a BOX, Mauritius 23-24 September 2021**
(2-day Industry 4.0 Workshop)

S/N	Participation Option	Fees	Number of Participants
1	On-premises* (physically in Mauritius)	Rs 34,000/pax	
2	Virtual*	Rs 28,000/pax or USD 750/pax	

* HRDC-approved for Mauritius only

PAYMENT INFORMATION

Please **invoice** my company/organisation and payment will be made prior to the start of the Course.

PAYMENT METHOD

The only method of payment acceptable is via Telegraphic Transfer to the bank account of the Team SYNthesis (Mauritius & Africa) Ltd. Payment must be received 10 days before the start of the course.

Swift Code:MCBLMUMU

Account Name:Team SYNthesis (Mauritius & Africa) Ltd

Bank Account No:000 440 851 416

Bank Name:Mauritius Commercial Bank Ltd

Bank Address:No. 9-15 Sir William Newton Street
Port Louis 11328
Mauritius

CONFIRMATION

- 1.Registration is on a first-come-first-served basis
- 2.To confirm your registration(s), all registration form(s) must be accompanied with proof of payment

ENQUIRIES & REGISTRATION

Team SYNthesis (Mauritius & Africa) Ltd
4A Hitchcock Avenue, Quatre Bornes

Tel: (230) 465-0048 / 454-6730 / 5256-3090 / 454-7719

Fax: (230) 454-6730

Email: I40Secretariat@teamsynthesis.com

Mauritius: <https://bit.ly/3is7Slj>

More Details (website): <http://www.teamsynthesis.net/I40/>

VENUE & ACCOMODATION

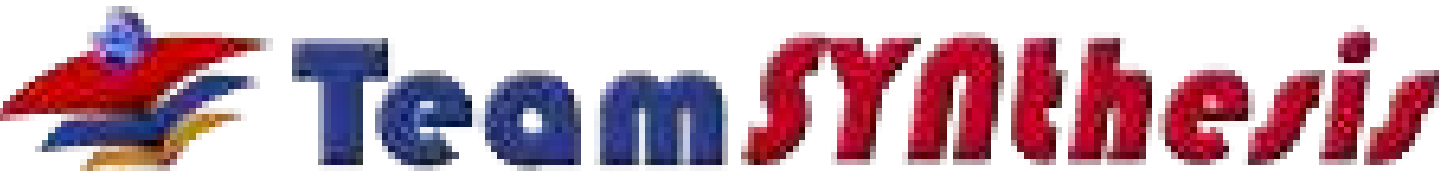
La Pirogue, Flic en Flac, Mauritius

Email: info@lapiroque.mu Tel: (230) 403 39 00

***The organizers reserve the rights to change the venue at their discretion*

[PAYMENT POLICY] Payment is due in full at the time of registration. Full payment is mandatory for event attendance.

Another Value-add Talent Management Initiative Brought to You by:



[CANCELLATIONS & SUBSTITUTIONS] You may substitute participants at least 5 working days prior to the beginning of the Course. Cancellations will be refunded only if made in writing at least 10 days prior to the beginning of the Course. No refund is given for any late cancellations for participants who do not show up for the course (no show). ****The organizers reserve the rights to change the venue at their discretion.**

Mauritius 4.0

2020 i40 MASTERCLASS



4IR/i40 Innovative NEXT-NORMAL Digital Working Transformation *Thriving in the Global Pandemic Era*



The 23 October 2020 Masterclass – which drew expertise and implementation insights from local and international speakers from 5 continents - was designed for senior management (C-level) decision makers and strategists, and attracted 250 on-premises and virtual participants from more than 40 countries (Africa/Mauritius, Asia, Europe, Australasia, US/Canada & Latin America).



This 1-day Industry 4.0 Implementation Masterclass was attended by about **100 local** (on-premises/virtual) and **150 international** (virtual) participants from all sectors and industries. This 2020 edition of the Masterclass specifically addressed the pandemic-related challenge-responses through skillfully-chosen case studies covering four important focus areas, namely **Strategy 4.0, Process 4.0, Technology 4.0** and **Human Capital 4.0** delivered by **twelve (12) C-level international Speakers**.



The 2020 Masterclass covered the following key implementation considerations:

- Strategy 4.0**, facilitated by **Team SYNthesis Group CEO Chee-Peng TAN, MCB Consulting Services CEO Jean Michel FELIX, Accenture Delivery Director Charles CARTIER & EDB Mauritius Head of Manufacturing Geerish BUCKTOWNSING**
- Process 4.0**, facilitated by **SDWorx Managing Director Ashvin PUDARUTH, IJM Corporation CIO Chee Yih Tzuen & Financial Services Institute CEO Mohamed KHAN**
- Technology 4.0**, facilitated by **Aetheis CEO Marc ISRAEL, Brainbox CTO and Co-Founder Jean-Simon VENNE & University of Mauritius Vice Chancellor Prof Dhanjay JHURRY**
- Human Capital 4.0**, facilitated by **Brahm Centre CEO Angie CHEW, Mauritius Research & Innovation Council Executive Director Prof Theesan BAHORUN and Agile Business Consulting CEO Dato Amin KHAN.**



The next edition of this annual event – the **22 October 2021 i40 Implementation Masterclass** with the theme of **REIMAGINING & RETHINKING INNOVATIVE SUSTAINABLE DEVELOPMENT - Diverse Future Living 4.0** - will further assist the participating companies to **fine-tune their i40 implementation Plans** in their endeavor to be **i40-ready by 2025**. The time is **HERE** and **NOW!**



INDUSTRY 4.0 Masterclass

10 September 2020, Malaysia
23 October 2020 Mauritius

Mauritius 4.0

2019 i40 MASTERCLASS



4.0 Leadership

Rebooting Strategic Innovation in the Industry 4.0 Era



Call for Action to implement the crafted Industry 4.0 (i40) Plan in the Leadership 4.0 Masterclass drawing on successful 2019 i40 Implementation insights received local and international multi-industry participation from Mauritius, Malaysia, France, UK and Singapore. This annual Implementation Masterclass will feature more 2020 i40 success stories in its next edition on 10 September 2020 (KL) & 23 October 2020 (Mauritius).



The 1-day Industry 4.0 Implementation Masterclass was held on 25 October 2019, attended by about **130 local and international participants** from all sectors and industries. Facilitated by nine seasoned industry practitioners, the insights from successfully implemented i40 projects were shared, deliberated and incorporated into the best way forward to transform and create **Professional 4.0, Workforce 4.0, Process & TOM 4.0, Organization 4.0 and Malaysia 4.0.**



The Masterclass covered the following key implementation considerations:

- Strategy 4.0**, facilitated by Team SYNthesis CEO, Chee-Peng TAN, MCB Consulting Services CEO, Jean Michel FELIX & SME 4.0 Expert Datuk Sheikh Ghazali ABOD
- Process 4.0**, facilitated by Harel Mallac Technologies GM, Shateeam SEWPAUL, SME Mauritius Chairman Peter Neubert & NanoBNK CEO, Jessen Valaythen
- Technology 4.0**, facilitated by Aetheis CEO, Marc ISRAEL
- Human Capital 4.0**, facilitated by Neurocloud
- Action Plan 4.0**, facilitated by Team SYNthesis CEO, Chee-Peng TAN.

With Industry 4.0 (i40) **mobility-based** delivery mechanism, the following areas were discussed, deliberated in breakout sessions and objective evidence provided:

- Current Focus & Future Trends
- Value Driver, Challenge & Approach
- Three Case Studies highlighting successful outcome
- Lessons Learnt (Challenges & Insights)
- The Humanizing Approach.

The next edition of this annual event – the **23 October 2020 i40 Implementation Masterclass** - will further assist the participating companies to **fine-tune their i40 implementation Plans** in their endeavor to be **i40-ready by 2025**. The time is **HERE** and **NOW!**



Leadership 4.0 Masterclass

25 October 2019, Mauritius

Malaysia 4.0

2019 i40 MASTERCLASS



Call for Action to implement the crafted Industry 4.0 (i40) Plan in the Leadership 4.0 Intermediate Masterclass drawing on successful i40 Implementation insights received local and international multi-industry participation from Mauritius, Malaysia, India and Singapore. This annual Implementation Masterclass will feature more i40 success stories in its next edition on 10 September 2020 (KL) & 23 October 2020 (Mauritius).

The 1-day Industry 4.0 Implementation Masterclass was held on 26 September 2019, attended by about **30 local and international participants** from all sectors and industries. Facilitated by three seasoned industry practitioners, the insights from successfully implemented i40 projects were shared, deliberated and incorporated into the best way forward to transform and create **Professional 4.0, Workforce 4.0, Process & TOM 4.0, Organization 4.0 and Malaysia 4.0.**



The Masterclass covered the following key implementation considerations:

- Strategy 4.0**, facilitated by Team SYNthesis CEO, Chee-Peng TAN
- Process 4.0**, facilitated by Team SYNthesis Global Product Head, Joyce WONG
- Technology 4.0**, facilitated by Team SYNthesis CEO, Chee-Peng TAN
- Human Capital 4.0**, facilitated by NEUROCLOUD
- Action Plan 4.0**, facilitated by Team SYNthesis CEO, Chee-Peng TAN.

With Industry 4.0 (i40) **mobility-based** delivery mechanism, the following areas were discussed, deliberated in breakout sessions and objective evidence provided:

- Current Focus & Future Trends
- Value Driver, Challenge & Approach
- Three Case Studies highlighting successful outcome
- Lessons Learnt (Challenges & Insights)
- The Humanizing Approach.

The next edition of this annual event – the **10 September 2020 i40 Implementation Masterclass** - will further assist the participating companies to **fine-tune their i40 implementation Plans** in their endeavor to be **i40-ready by 2025**. The time is **HERE** and **NOW!**



INDUSTRY 4.0 CONFERENCE

26 September 2019, Malaysia

Mauritius & Africa 4.0

2018 i40 MASTERCLASS



Call for Action to implement the crafted Industry 4.0 (i40) Plan in the Leadership 4.0 Intermediate Masterclass drawing on successful i40 Implementation insights received local and international multi-industry participation from Mauritius, Malaysia, India and Singapore. This annual Implementation Masterclass will feature more i40 success stories in its next edition on 26 September 2019 (KL) & 25 October 2019 (Mauritius).



The 1-day Industry 4.0 Implementation Masterclass was held on 26 October 2018, attended by about 50 local and international participants from all sectors and industries. Facilitated by two seasoned industry practitioners, the insights from successfully implemented i40 projects were shared, deliberated and incorporated into the best way forward to transform and create Professional 4.0, Workforce 4.0, Process & TOM 4.0, Organization 4.0 and Mauritius 4.0.

The Masterclass covered the following key implementation considerations:

- Strategy 4.0, facilitated by Team SYNthesis CEO, Chee-Peng TAN
- Process 4.0, facilitated by Team SYNthesis CEO, Chee-Peng TAN
- Technology 4.0, facilitated by Aetheis CEO, Marc ISRAEL
- Human Capital 4.0, facilitated by Team SYNthesis CEO, Chee-Peng TAN
- Action Plan 4.0, facilitated by Team SYNthesis CEO, Chee-Peng TAN.

With Industry 4.0 (i40) **mobility-based** delivery mechanism, the following areas were discussed, deliberated in breakout sessions and objective evidence provided:

- Current Focus & Future Trends
- Value Driver, Challenge & Approach
- Three Case Studies highlighting successful outcome
- Lessons Learnt (Challenges & Insights)
- The Humanizing Approach.

The next edition of this annual event – the 25 October 2019 i40 Implementation Masterclass - will further assist the participating companies to **fine-tune their i40 implementation Plans** in their endeavor to be **i40-ready by 2025**. The time is **HERE** and **NOW**!



INDUSTRY 4.0

Masterclass

26 October 2018, Mauritius

Mauritius & Africa 4.0

2018 i40 BLUEPRINTING



The 2-day Industry 4.0 Blueprinting Conference, officiated by the Honourable Vice Prime Minister, Mrs Fazila JEEWA-DAUREEAWOO, was held on 26-27 September 2018, attended by about 200 local and international participants from all sectors and industries. About 15 Distinguished Speakers – from Europe, Asia, USA, Africa and Mauritius, and 34 local and international Panellists engaged and deliberated on the best way forward to transform and create **Mauritius 4.0**.

Call for Action to craft the Industry 4.0 (i40) Plan in the Leadership 4.0 Workshop programme focusing on i40 Blueprinting received local and international multi-industry participation supported by the PMO, and arguably the largest gathering of key i40 Thought Leaders and Distinguished Speakers from Europe, Asia, USA & Africa. Follow-up 26 October 2018 Masterclass promises implementation insights for organizations that have crossed the i40 Rubicon.



The Conference has 5 high interactive and intense 270-min Panel sessions covering 76 key areas of interest in the following tracks:

- a. Business 4.0, chaired by Team SYNthesis CEO, Chee-Peng TAN
- b. Industry 4.0, chaired by MITIA President, Dev SUNNASY
- c. Technology 4.0, chaired by Harel Mallac Technologies GM, Shateeam SEWPAUL
- d. Human Capital 4.0, chaired by ex MauBank CEO, Sridhar NAGARAJAN
- e. Socio-Economic Development 4.0, chaired by EDB Chairman, Charles CARTIER.

Uniquely organized with Industry 4.0 (i40) **mobility-based** delivery mechanism, leading local and international i40 practitioners **deliberated and shared the lessons learnt from successful i40 initiatives** around the world which would enable the **participating companies** to commence their planning activities with **hindsight, insights and wisdom**.

The follow-up 26 October 2018 **i40 Implementation Masterclass** will assist the participating companies to **fine-tune their i40 implementation Plans** in their endeavor to be **i40-ready by 2025**. The time is **HERE** and **NOW!**



INDUSTRY 4.0

CONFERENCE

26-27 September 2018, Mauritius

Mauritius & Africa 4.0

2017 i40 PRIMER



Line in the Sand drawn in the Leadership 4.0 Primer with enthusiastic multi-industry participation supported by key thought leaders and distinguished speakers from Asia & Africa. Follow-up 26-27 September 2018 Conference promises even greater coverage and insights



More than 100 delegates across the key industries of **FSI, Hospitality, Sugar, Textile, ICT, Media, SME, Construction, Automotive, Professional Services, Education, Medical, Logistics & Transportation, Public Sector** and **Manufacturing** participated enthusiastically and could now craft **blueprints and action plans** to address the impacts to Businesses, Government, Society & Individuals in Mauritius supported by the **adaptive leadership** to be compassionate and engaging.



More than **12 Keynote and distinguished Industry Guest Speakers** graced the occasion to share **insights** of Industry 4.0 & Digitalization, the **current state** of Industry 4.0 and the Digitalization **Ecosystem** in Mauritius as well as the **Emerging Technologies, Operational Excellence & Leadership 4.0-ready skills**.



Artificial Intelligence (AI) & Big Data, Robotics, IIOTs, Cloud Computing, Augmented Reality, FinTech-SMART Factory-SMART Farming-SMART Textile-SMART Hospitality, Disintermediation & Disruptive Innovation, CyberSecurity, STEM, Digital Economy, Digital Employees, Digital IQ & Leadership 4.0



INDUSTRY 4.0

PRIMER

13 November 2017, Mauritius

AI-IN-A-BOX WORKSHOP



PLC
PROJECT Leadership COURSE
EXECUTIVE DEVELOPMENT