



Industry Revolution 4.0 (IR 4.0): A Data-Driven Organisation

Previous industrial revolutions liberated humankind from animal power, made mass production possible and brought digital capabilities to billions of people. We are currently living in the middle of Industry Revolution 4.0 (IR4.0) which is transforming economies, jobs, and even society itself. Under the broad title Industry 4.0, many physical and digital technologies are combining through analytics, artificial intelligence, cognitive technologies, and the Internet of Things (IoT) to create digital enterprises that are both interconnected and capable of more informed decision-making. Digital enterprises can communicate, analyse, and use data to drive intelligent action in the physical world. In short, this revolution is embedding smart, connected technology not only within organisations, but also our daily lives. In order to build a data-driven organisation, the learning strategy for this course is to align the learning goals with the manufacturing business and ensures the learning function is putting its design, manufacturing, and reporting capabilities to good use by working on high-value and high-impact initiatives.

Facilitator

Dr. Poo Kuan Hoong received his Ph.D in Computer Science from Nagoya Institute of Technology, Japan. Backed with 15 years of academic and research background, Kuan Hoong is very enthusiastic in areas spanning Big Data Analytics, Machine Learning, Deep Learning, High Performance Computing, Distributed Systems and peer-to-peer (P2P) networks.

Besides that, he is also interested in algorithm design and performance modeling of various distributed systems based on a variety of theories, including optimisation, graph theory, and network coding. In addition to that, he has a practical approach to problem solving and a drive to see things through to completion. Currently, Kuan Hoong is working as Principal Data Science with Coqnitics Sdn Bhd, an AI Startup.

Previously, he was working as Senior Data Scientist with ASEAN Data Analytics Exchange (ADAX) where he provided consultations and trainings for the Enterprise Data Science, Enterprise Data Analyst and Enterprise Data Engineer programmes.

Who Should Attend

Chief Executive Officer (CEO), Chief Technology Officer, IT professionals and Heads of Department

Programme

HRDF SBL Scheme

9.00 am – 10.45 am	Introduction, Overview and Motivations of Data Driven Organisation <ul style="list-style-type: none"> • What is data-driven organisation? • Risk of not being data-driven • Identifying data-driven opportunities • Build a data-driven organisation • How to have commercialisable data • Data analytics and machine learning
10.45 am – 11.00 am	<i>Coffee Break</i>
11.00 am – 1.00 pm	Definitions, Challenges and Use Cases of IR 4.0 <ul style="list-style-type: none"> • Demystify key IR 4.0 and the ecosystem of stakeholders involved • Example of roadmaps for the real-world application of IR 4.0 across a range of organisations, and its business and technological impacts • Connect its participants with leaders and managers from diverse roles and organisations and understand their opportunities and challenges • Provide use cases of successful IR 4.0 implementations on an ongoing basis
1.00 pm – 2.00 pm	<i>Lunch Break</i>
2.00 pm – 3.45 pm	Industrial Revolution 4.0 Technologies and Impact <ul style="list-style-type: none"> • Key IR 4.0 components such as automation, data exchanges, cloud, cyber-physical systems, mobile, robots, Big Data, AI, deep machine learning, IoT and agile • Explore impact of lean manufacturing, cloud computing, cyber security, IoT, mobile, big data tools, and other areas are driving IR 4.0 growth
3.45 pm – 4.00 pm	<i>Coffee Break</i>
4.00 pm – 5.00 pm	Group Breakout Session and Presentation

Pre-Requisite

Basic knowledge of Information Technology

ADMINISTRATIVE DETAILS

Date: October 22, 2018 (Monday)

Time: 9.00 am - 5.00 pm

Venue: Royale Chulan Damansara Hotel

2 Jalan PJU 7/3, Mutiara Damansara

47810 Petaling Jaya

Selangor Darul Ehsan

Contact Persons:

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REGISTRATION FORM

Industry Revolution 4.0 (IR 4.0): A Data-Driven Organisation

October 22, 2018 (Monday)

Royale Chulan Damansara Hotel, Petaling Jaya

The Assistant Manager

Please tick (✓) accordingly:

FMM Institute

PSMB Scheme: SBL Non Contributor

Tel: 03-6286 7200 Fax: 03-6277 6712

Require vegetarian meal: Yes No

Email: training@fmm.org.my

FEES:

FMM Members: RM900 per participant

Non-Member: RM1,000 per participant

Dear Madam,

Please register the following participant(s) for the above programme:

(To be completed in **BLOCK LETTERS**)

1. Name	Designation	E-mail
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Nationality	IC No.
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2. Name	Designation	E-mail
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Nationality	IC No.
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(if space is insufficient, please attach a separate list)

Enclosed cheque/bank draft No. _____ for RM _____

Being payment for _____ participant(s) made in favour of the "FMM Institute".

Submitted by:

Name: _____

Designation: _____ E-mail: _____

Company: _____

Address: _____

Tel No.: _____ Fax No.: _____ Date: _____

FMM Membership No.: _____ My Corporate Identity No.: _____