

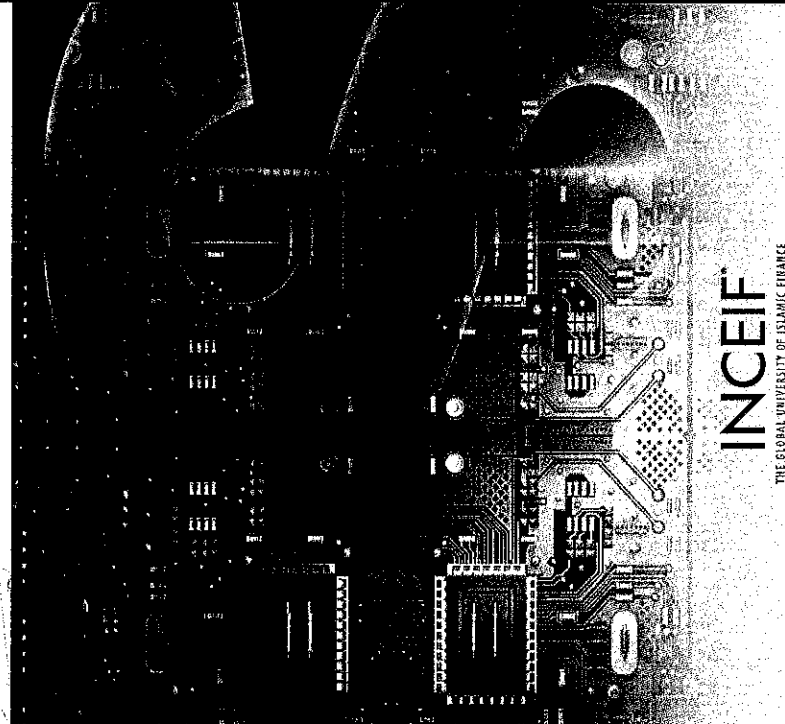
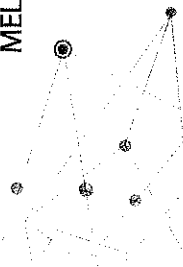


MALAYSIAN TECHNICAL COOPERATION PROGRAM (MTCP) 2020

FINTECH AND DATA SCIENCE FOR ISLAMIC FINANCE

12 – 18 JULY 2020

MELIÁ KUALA LUMPUR



INCEIF

THE GLOBAL UNIVERSITY OF ISLAMIC FINANCE

ABOUT MTCP

The Malaysian Technical Cooperation Programme (MTCP) was initiated at the 1st Commonwealth Heads of Government Regional Meeting (CHOGRM) for Asia Pacific Region held in Sydney on February 1979. It was officially launched on 7th September 1980 at the 2nd CHOGRM in New Delhi, India, to signify Malaysia's commitment to South-South Cooperation, in particular Technical Cooperation among Developing Countries (TCDC). The MTCP emphasises the development of human resources through the provision of training in various areas which is essential for a country's development. These areas include public administration, good governance, health services, education, sustainable development, agriculture, trade and investment, ICT and banking. As of 31st December 2019, 34,415 participants from 144 recipient countries have benefited from the various programmes offered under the MTCP.

For more information at MTCP website:

<https://mtcp.mfa.gov.my/mcp/about-us/about-us.html>

The objectives of MTCP:

- To share development experiences with other countries;
- To strengthen bilateral relations between Malaysia and other developing countries;
- To promote South-South Cooperation (SSC); and
- To promote Technical Cooperation among Developing Countries (TCDC)

ABOUT INCEIF

INCEIF is the acronym for International Centre for Education in Islamic Finance. It was set up by Bank Negara Malaysia (Central Bank of Malaysia) in December 2005. The university was established as part of the Malaysian country's position as an international Islamic finance Government's initiative to further strengthen the centre. It is the only university in the world that is wholly dedicated to postgraduate study in Islamic Finance and the only Islamic Finance University that is AACSB accredited.

www.inceif.org

BACKGROUND

The global Islamic Finance industry grows by leaps and bounds annually. This stellar growth comes up to 1.3% of global assets whilst Muslims make up 25% of global population. Nine countries including Malaysia dominate 93% of global Islamic banking assets. Issues of access, literacy and bankability in both Muslim majority and non-Muslim major ty countries are pronounced. The "bottom-of-the-pyramid" solutions may have its' own detractors however with Fintech, an enlarged global market is a certainty. Some see Fintech as backlash to the inherent weakness of unbridled "laissez-faire" capitalism. Regulators and the banking fraternity have been on the firing lines for betraying public "trust" evidenced by "private greed, public loss" and "too big, to fail" badge of shame earned by some of the oldest names in banking during the debate that was the Global Financial Crisis (GFC 2007-2009). Notwithstanding the above, Islamic Finance remains on an upwards trajectory and the Fintech onslaught continue unabated. Other than Fintech, data is an important tool for any businesses or financial institutions to be competitive. Data has become the life blood of any businesses including the financial sector.

The data collected by organisations helped the agencies to improve their understanding of demand, collection, distribution, and associated operations and to allow for improvements to be identified and implemented. The term "Big data" refers to the huge and increasing volume of the data available, and the ways it can be processed. But the value of big data lies in the actionable insights that the business can draw from it, rather than the size of the dataset. This 5 days programme links both, and looks into the readiness and development at the highest levels of various Islamic finance stakeholders. The programme is divided into two parts where the first part of the programme will focus more into readiness and development of Fintech and the second part of the programme will introduce the audience to Data Science for banking and finance. The second part will introduce and develop understanding of big data and overview of data analysis. Audience will also be given an exposure on how to analyse and visualize the data in order to get new insights from the data.

OBJECTIVES

By the end of this programme, participants will be able to

- Providing essential knowledge in terms of fundamentals concepts, strategic objectives, evolving consumer needs and stakeholders positioning surrounding Fintech in Islamic Finance.
- Expose participants to the critical ecosystems for Fintech/Islamic Fintech, e.g. regulations to safeguard the public interest and ensuring these regulations are effective etc.
- Stimulate discussions and considerations on making Fintech in Islamic Finance more inclusive, innovative without sacrificing the fundamentals of Shariah compliance.
- Load data from different formats
- Prepare data for analysis
- Analyse data using effective data visualisation
- Build and compare data mining models



PART 1: FINTECH

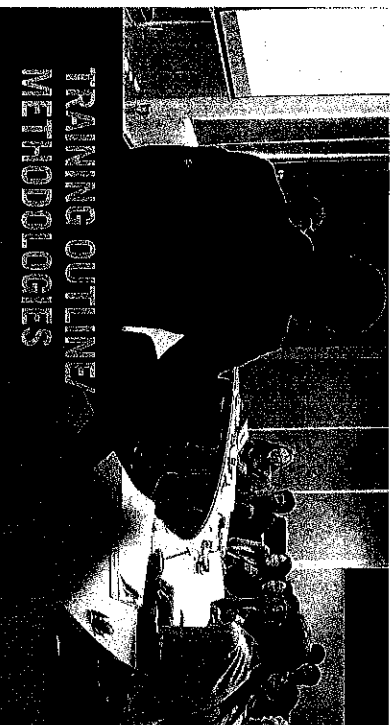
- The Fintech global market, Islamic fintech
- Regulating fintech – building the ecosystem, meeting objectives and expectations of various stakeholders
- Regulatory clarity whilst maintaining systemic integrity, preserving security whilst pushing for innovation
- Shariah for Fintech – ensuring shariah compliance dealing with the various dimensions of fintech
- Shariah for Fintech – The optimal approach to handling new tools, processes and initiatives
- Reshaping the banking and payments industry
- Raising money with FinTech
- Harnessing data with Artificial Intelligence and Machine Learning
- Transforming personal finance with FinTech
- Demystifying blockchain and cryptocurrency
- Forging the future of FinTech



PART 2: DATA SCIENCE

- Introduction to Data Science, big data and data analysis
- Examining data distribution
- Data cleaning and visualisation
- Build and compare data mining models

TRAINING OUTLINE/ METHODOLOGIES



- Interactive lectures and discussions on various areas of Islamic Finance and Islamic microfinance.
- Consultation with Subject Matter Experts.
- Strategy discussions on Fintech in Islamic Finance from various stakeholders' perspectives.
- Technology discussions on Fintech applications that drives the value propositions of Islamic Finance.
- "Participants-Stakeholders" as well as "Stakeholders-Participants" engagements provide deeper insights.
- Interactions via cases and sharing of experiences.
- The workshop uses real data from banking and finance.
- Hands-on session using Python.
- Project exercises and presentations with expert evaluation and feedback to improve readiness for introducing and implementing data science.
- Industry visits to financial institutions that have implemented data science as their business strategy.

TARGETED PARTICIPANTS

- Mid to senior management and Board of directors attached to financial institutions (e.g. Islamic banks, takaful operators, wealth and asset management companies) regulators, supervisors e.g. Central Banks, Capital Market authorities that are interested to have exposure on fintech for banking and finance institutions.
- Mid-senior management attached to government departments or government agency that are interested to have exposure on fintech for banking and finance institutions.
- Senior Shariah personnel e.g. of auditors/internal auditors of Islamic banks, Takaful operators and other Islamic Financial Institutions (IFIs).

ENTRY REQUIREMENTS

- Applicants should be a civil servants, aged between 26-50 years old;
- Selected government officials and technical experts from the ministries/governmental agencies involved in financial sectors;
- Possess educational background with at least a degree level in Finance, Accounting, Management or Economics;
- Possess at least 5 years working experience in the field related to the programme;
- Must demonstrate good command of spoken and written English; and
- Must be medically certified as fit.

REGULATIONS

During lectures, male participants are required to dress in long-sleeved shirts with ties and long pants. Female participants should be appropriately dressed in office attire. For formal occasions, lounge suit or national costume are required.

Participants shall conduct themselves at all times in a manner compatible with their responsibilities as MTCP participants and abide by the laws, rules and regulations as may be stipulated by the host government in respect of this training course.

APPLICATION GUIDELINES

Applications should be made using the prescribed MTCP forms available through https://mtcpcoms.kin.gov.my/mtcpcoms/online/list_course

MTCP application forms can also be obtained from the nearest Malaysian Embassy / High Commission in recipient countries. Submitted application forms must be accompanied by the applicant's:

- Copy of Passport
- Passport sized coloured photo (3.5cm x 5cm)
- Medical Report

All application forms must be duly completed and endorsed by the Ministry of Foreign Affairs of their respective countries and should be submitted only through the diplomatic channel via Malaysian Embassy/High Commission of Malaysia in the respective countries.

Successful candidates will be duly notified by INCEIF one (1) month before the commencement of the course.

Incomplete and/or unendorsed forms will not be processed.

EXPECTED OUTCOME

Participants will be able to assess critically both potential and challenges of Fintech in Islamic Finance, be apprised of the strategic areas impacting major stakeholders thus able themselves to make their own informed decisions related to Fintech and its game-changing potential.

By the end of the programme, participants should also be able to:

- Analyze how FinTech reshapes traditional banking
- Determine how FinTech corporations are changing the traditional currency regime
- Articulate how artificial intelligence and machine learning are used in financial trading
- Examine how FinTech has altered financing through new forms of lending and crowdfunding
- Gain a comprehensive understanding on Big Data and data analysis
- Understanding on the basics of Python
- Able to develop and write code in Python
- Clean up spreadsheet data including handling of missing values and duplicate rows
- Analyse and visualize the data in order to get new insights from the data

OTHER INFORMATION

Course Fees and Registration

All course fees are borne by the Malaysian Government.

Air Fare

A return air ticket from the capital city of the recipient country to Kuala Lumpur on economy class is provided for participants.

Accommodation, Meals and Allowance

Hotel accommodation (b twin-sharing) and workshop will be at Melia Kuala Lumpur. Participants will be provided with a daily allowance that is sufficient to cover daily expenses. However, if meals are provided by the organizer, some portion of the allowance shall be deducted.

Medical and Dental Treatments

Medical treatments are provided at government hospitals/clinics only and the expenses will be borne by the Government of Malaysia. In case of an emergency, participants are eligible to be admitted to government hospitals/clinics. Dental treatments are restricted to extraction and filling only.

VISA & VACCINATION

All participants must enter Malaysia with Visa With Reference (WVR). Participants selected for the programme will receive a copy of the letter of approval from INCEIF. They must possess a valid passport for at least 6 months beyond the period of stay in Malaysia.

INCEIF will apply for VDR at the Department of Immigration, Malaysia and a copy of the VDR Approval Letter will be forwarded to the successful participants. Subsequently with the copy of the approval letter, the participants must collect the VDR from the nearest Malaysian Embassy/High Commission.

Participants from some countries are required to take a mandatory vaccination for yellow fever at least 10 days prior to their departure to Malaysia. Yellow Fever certificate is required to be produced upon landing in Malaysia for countries as listed at the link below:
<http://www.imi.gov.my/index.php/en/main-services/visa/visa-requirement-by-country.html>

NOTES

Successful participants must arrange for their own visa and vaccination prior to travel. All costs including those related to visa, medical check-ups, vaccinations, airport tax/airport user charges, transit insurance, excess luggage, etc. should be BORNE BY PARTICIPANTS

CONTACT US

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