DATA SCIENCE ANALYTICS: FROM DATA TO INSIGHTS

15 April 2024 – 17 April 2024

ABOUT THE PROGRAMME

In today's digital age world, organizations have analyzed data to determine patterns and discover where best to allocate resources to better meet the requirements in the changing landscape.

Data gathering and analysis has become more important and in demand in organizations across industries. Big data can help organizations cut down outgoings, create new growth opportunities and gain greater insights into consumer's behavior. Big data needs to be effectively presented and properly analyzed to help organizations gain insights and uncover trends. This involves complex applications with elements such as predictive models, statistical algorithms and what-if analysis powered by analytics systems.

This three-day programme provides participants with concepts beyond the Big Data knowledge and is equipped with valuable insights on how big data is managed. By the end of the programme, participants will learn to make informed decisions with the use of Big Data including those relevant to the education sector.

KEY LEARNING OUTCOMES

- Gain understanding of the Big data and its applications
- Learn to analyse big data and make informed decisions
- Learn various techniques for analysing data to extract useful insights and patterns to support decision making
- Evaluate how the data can be used to address various issues

PROGRAMME SCHEDULE

TIME	DAY 1	DAY 2	DAY 3
09:00 – 10:30	**Programme Opening** **Big Data, Data Analytics and Public Policy**	**Using Data and Official Statisticsfor Policy Analysis**	**Sharing on National Institute of Education (NIE)'s Office of Education Research**
10:30 – 11:00	Break		
11:00 – 12:30	**Big Data, Data Analytics and Public Policy**	**Decision-Making using Data/ Science-based Information**	**New Issues in Digital Technology**
12:30 – 13:30	Lunch		
13:30 – 15:00	(13:30 – 14:00) Travel to learning journey (14:00 – 16:00) **Learning Journey: National University of Singapore**	(13:30 – 14:00) Travel to learning journey (14:00 – 16:00) **Learning Journey: Synthesis**	**Smart Nation**
15:00 – 15:30			Break
15:30 – 17:00			**Final Reflections** **Programme Closing**
Note: Sessions may be subject to change based on availability of faculty.			