DATA SCIENCE ANALYTICS: FROM DATA TO INSIGHTS

06 September 2023 – 08 September 2023

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/Date	06 September 2023, Wednesday	07 September 2023, Thursday	08 September 2023, Friday
09:00 – 10:30	**Opening Ceremony** **Big Data, Data Analytics and Public Policy**	**Using Data and Official Statistics for Policy Analysis**	**Decision-Making using Data/ Science-based Information**
10:30 – 11:00	**Group Photo & Tea Break**	**Tea Break**	
11:00 – 12:30	**Big Data, Data Analytics and Public Policy**	**Using Data and Official Statistics for Policy Analysis**	**Decision-Making using Data/ Science-based Information**
12:30 – 13:30	**Lunch**		
13:30 – 15:00	**Data Analytics: Uses, Implications and Applications**	**Sharing by GovTech Singapore: Data Science for the Public Good**	**Data Analytics: Implementation (Group Discussion)**
15:00 – 15:30	**Tea Break**		
15:30 – 17:00	**Data Analytics: Uses, Implications and Applications (Group Discussion)**	**Learning Journey: NUS Institute of Data Science**	**Final Reflections** **Closing Ceremony**