



Schedule for SCTP in Data and Information Literacy Upgrading Programme (DIAL-UP) - Cohort 2

SN	Week	Module Name	Date	Mode of Delivery / Duration / Activity
		Data Management, Data Wrangling and Exploratory Data Analysis (EDA)		Key Topics: Week 1: Introduction to Data Management and Wrangling and EDA concepts Week 2: Introduction to Relational Databases and SQL Statements Week 3: Understanding Data Model Documentation Week 4: Shaping Data with SQL
1	Wk 1	Introduction to Data Management and Wrangling and EDA concepts	13-2-23	Online lecture from 19:00 to 20:00 - Introduction to Module
2			14-2-23	Self-paced learning for 2 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning.
3			15-2-23	Online lecture from 19:00 to 22:00 - Introduction to Data Management, Data Wrangling and EDA
4			16-2-23	Self-paced learning for 2 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning. Work on Assignment.
5			17-2-23	Self-paced learning for 2 hour(s) anytime between 10:00 to 22:00 - Assignment/Quiz
6	Wk 2	Introduction to Relational Databases and SQL statements	20-2-23	Self-paced learning for 1 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning.
7			21-2-23	Self-paced learning for 1 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning.
8			22-2-23	Self-paced learning for 1 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning.
9			23-2-23	Self-paced learning for 2 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning. Work on Assignment.
10			24-2-23	Self-paced learning for 2 hour(s) anytime between 10:00 to 22:00 - Assignment/Quiz
11			25-2-23	Physical lecture at NTU@one-north campus from 09:00 to 12:00 - Introduction to Relational Databases and SQL statements.
12	Wk 3	Introduction to Data Model Documentation	27-2-23	Self-paced learning for 1 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning.
13			28-2-23	Self-paced learning for 1 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning.
14			1-3-23	Self-paced learning for 1 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning.
15			2-3-23	Self-paced learning for 2 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning. Work on Assignment.
16			3-3-23	Self-paced learning for 2 hour(s) anytime between 10:00 to 22:00 - Assignment/Quiz
17			4-3-23	Physical lecture at NTU@one-north campus from 09:00 to 12:00 - SQL Statements. Data model documentation. (Part 2 of 2)
18	Wk 4	Shaping data with SQL	6-3-23	Self-paced learning for 1 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning.
19			7-3-23	Self-paced learning for 2 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning.
20			7-3-23	Online lecture from 19:00 to 22:00 - Fundamentals of Career Discovery, Navigation and Readiness
21			8-3-23	Online lecture from 19:00 to 22:00 - Shaping Data with SQL.
22			9-3-23	Self-paced learning for 2 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning. Work on Assignment.
23			10-3-23	Self-paced learning for 3 hour(s) anytime between 10:00 to 22:00 - Assignment/Final Module Quiz
		Communicating Data Insights through Dashboards and Data Storytelling with Tableau		LEARNING OBJECTIVES: Week 5: Introduction to Data Visualization and Data Storytelling; Basic chart creation in Tableau Week 6: Manage and Manipulate Data within Tableau; Exploring data using charts Week 7: Creating Dashboards and Telling Story Week 8: Basic Predictive Analytics
24	Wk 5	Introduction to Data Visualization and Data Storytelling. Basic chart creation in Tableau.	13-3-23	Online lecture from 19:00 to 20:00 - Introduction to Module
25			14-3-23	Self-paced learning for 2 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning. Work on Assignment.
26			15-3-23	Online lecture from 19:00 to 22:00 - Introduction to Data Visualization and Data Storytelling with Tableau. Familiarise with Tableau Interface and Basic Chart Creation.
27			16-3-23	Self-paced learning for 2 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning. Work on Assignment.



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28			17-3-23	Self-pace learning for 2 hour(s) anytime between 10:00 to 22:00 - Assignment/Quiz
30			20-3-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning. Work on Assignment.
31			21-3-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning. Work on Assignment.
32			22-3-23	Self-pace learning for 2 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning. Work on Assignment.
33	Wk 6	Basic data analysis and interpretation.	23-3-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning. Work on Assignment.
34			23-3-23	Online lecture from 19:00 to 21:00 - Career Marketplace - Labour Market Research and Career Planning
35			24-3-23	Self-pace learning for 2 hour(s) anytime between 10:00 to 22:00 - Assignment/Quiz
36			25-3-23	Physical lecture at NTU@one-north campus from 09:00 to 12:00 - Data Manipulation in Tableau; Creating charts to explore data using charts
37			27-3-23	Self-pace learning for 2 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning. Work on Assignment.
38	Wk 7	Creating Dashboards and Telling Story using Tableau	28-3-23	Self-pace learning for 2 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning. Work on Assignment.
39			29-3-23	Self-pace learning for 2 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning. Work on Assignment.
40			30-3-23	Self-pace learning for 2 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning. Work on Assignment.
41			24-3-23	Self-pace learning for 2 hour(s) anytime between 10:00 to 22:00 - Assignment/Quiz
42			1-4-23	Physical lecture at NTU@one-north campus from 09:00 to 12:00 - Creating dashboards with interactivity and telling story using Tableau
43	Wk 8	Apply basic predictive analytics using Clusters and Forecasting	3-4-23	Self-pace learning for 2 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning.
44			4-4-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning.
45			5-4-23	Online lecture from 19:00 to 22:00 - Basic Predictive Analytics using Clusters and Forecasting
46			6-4-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Assignment/Final Module Quiz
47			7-4-23	Holiday
		Business Analytics and Forecasting		LEARNING OBJECTIVES: Week 9: Introduction to Business Analytics and Forecasting. Week 10: Basic Data Analysis and Interpretation. Week 11: Benchmarking techniques. Week 12: Forecasting and Trend Analysis Week 13: Project Week 1 Week 14: Project Week 2 + Presentation
48	Wk 9	Introduction to Business Analytics and Forecasting.	10-4-23	Online lecture from 19:00 to 20:00 - Introduction to Module
49			11-4-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning.
50			12-4-23	Online lecture from 19:00 to 22:00 - Introduction to Business Analytics and Forecasting. Dealing with Data, Data Cleaning, Data Prep.
51			12-4-23	Online lecture from 19:00 to 21:00 - Career Readiness - Personal Branding & Resume
52			13-4-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning. Work on Assignment.
53			14-4-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Assignment/Final Module Quiz
54	Wk 10	Basic data analysis and interpretation.	17-4-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning.
55			18-4-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning.
56			19-4-23	Online lecture from 19:00 to 22:00 - Basic Data Analysis and Interpretation. Time series analysis.
57			20-4-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning. Work on Assignment.
58			21-4-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Assignment/Final Module Quiz



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59	Wk 11	Benchmarking techniques	24-4-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning.
60			25-4-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning.
61			26-4-23	Online lecture from 19:00 to 22:00 - Benchmarking and Forecasting
62			27-4-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning. Work on Assignment.
63			28-4-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Assignment/Final Module Quiz
64			29-4-23	Physical lecture at NTU@one-north campus from 09:00 to 12:30 - Career Readiness - Interview prep and Mock Interviews
65	Wk 12	Forecasting and Trend Analysis	1-5-23	Holiday
66			2-5-23	Self-pace learning for 2 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning.
67			3-5-23	Online lecture from 19:00 to 22:00 - Forecasting
68			4-5-23	Self-pace learning for 2 hour(s) anytime between 10:00 to 22:00 - Access to Materials, Self-Learning.
69			5-5-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Assignment/Final Module Quiz
70			6-5-23	Physical lecture at NTU@one-north campus from 09:00 to 12:30 - Career Readiness - Interview prep and Mock Interviews
71			6-5-23	Physical lecture at NTU@one-north campus from 14:00 to 16:00 - Forecasting, Project Prep
72	Wk 13	MS Excel PROJECT WEEK 1	8-5-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Work on Excel Dashboard Project
73			9-5-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Work on Excel Dashboard Project
74			10-5-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Work on Excel Dashboard Project
75			11-5-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Work on Excel Dashboard Project
76			12-5-23	Self-pace learning for 3 hour(s) anytime between 10:00 to 22:00 - Work on Excel Dashboard Project
77			13-5-23	Physical lecture at NTU@one-north campus from 09:00 to 11:00 - Career Transition and Stabilization
78	Wk 14	MS Excel PROJECT WEEK 2	15-5-23	Self-pace learning for 2 hour(s) anytime between 10:00 to 22:00 - Work on Excel Dashboard Project
79			16-5-23	Self-pace learning for 2 hour(s) anytime between 10:00 to 22:00 - Work on Excel Dashboard Project
80			17-5-23	Self-pace learning for 2 hour(s) anytime between 10:00 to 22:00 - Work on Excel Dashboard Project
81			18-5-23	Self-pace learning for 2 hour(s) anytime between 10:00 to 22:00 - Work on Excel Dashboard Project
82			19-5-23	Self-pace learning for 2 hour(s) anytime between 10:00 to 22:00 - Work on Excel Dashboard Project
83			20-5-23	Physical lecture at NTU@one-north campus from 10:00 to 13:00 - Presentation of Excel Project

*** NTU reserves the right to change the date, mode/venue of lesson or cancel class due to unforeseen circumstances.**