**Schedule for SCP in Data and Information Literacy Upgrading Programme (DIAL-UP): 15 January 2024 Intake**

**Week 1**
- **Basic Predictive Analytics using Clusters and Forecasting**
  - 7:00 pm: Check-in Asynchronous Access to Materials, Self-Learning. Work on Assignment.
  - **Lecture**
- **SQL Statements. Data model documentation.**
- **Wednesday**
  - **Synchronous Use of Excel and hand-on work.**
  - Check-in
- **Thursday**
  - 10:00 am to 10:00 pm: Check in anytime to get materials for self-learning in "Content" section.

**Week 2**
- **Introduction to Data Management and Access to Materials, Self-Learning.**
- **Lecture**
- **Introduction to Factual Management. Time Series Analysis.**
- **Check-in**
- **Assignments**
- **Forecasting**
  - 7:00 pm: Check-in Asynchronous Access to Materials, Self-Learning. Work on Assignment.

**Week 3**
- **Introduction to Data Management and Access to Materials, Self-Learning.**
- **Lecture**
- **Introduction to Factual Management. Time Series Analysis.**
- **Check-in**
- **Assignments**
- **Forecasting**
  - 7:00 pm: Check-in Asynchronous Access to Materials, Self-Learning. Work on Assignment.

**Week 4**
- **Introduction to Data Management and Access to Materials, Self-Learning.**
- **Lecture**
- **Introduction to Factual Management. Time Series Analysis.**
- **Check-in**
- **Assignments**
- **Forecasting**
  - 7:00 pm: Check-in Asynchronous Access to Materials, Self-Learning. Work on Assignment.

**Week 5**
- **Introduction to Data Management and Access to Materials, Self-Learning.**
- **Lecture**
- **Introduction to Factual Management. Time Series Analysis.**
- **Check-in**
- **Assignments**
- **Forecasting**
  - 7:00 pm: Check-in Asynchronous Access to Materials, Self-Learning. Work on Assignment.

**Week 6**
- **Introduction to Data Management and Access to Materials, Self-Learning.**
- **Lecture**
- **Introduction to Factual Management. Time Series Analysis.**
- **Check-in**
- **Assignments**
- **Forecasting**
  - 7:00 pm: Check-in Asynchronous Access to Materials, Self-Learning. Work on Assignment.

**Week 7**
- **Introduction to Data Management and Access to Materials, Self-Learning.**
- **Lecture**
- **Introduction to Factual Management. Time Series Analysis.**
- **Check-in**
- **Assignments**
- **Forecasting**
  - 7:00 pm: Check-in Asynchronous Access to Materials, Self-Learning. Work on Assignment.

**Week 8**
- **Introduction to Data Management and Access to Materials, Self-Learning.**
- **Lecture**
- **Introduction to Factual Management. Time Series Analysis.**
- **Check-in**
- **Assignments**
- **Forecasting**
  - 7:00 pm: Check-in Asynchronous Access to Materials, Self-Learning. Work on Assignment.

**Week 9**
- **Introduction to Data Management and Access to Materials, Self-Learning.**
- **Lecture**
- **Introduction to Factual Management. Time Series Analysis.**
- **Check-in**
- **Assignments**
- **Forecasting**
  - 7:00 pm: Check-in Asynchronous Access to Materials, Self-Learning. Work on Assignment.

**Week 10**
- **Introduction to Data Management and Access to Materials, Self-Learning.**
- **Lecture**
- **Introduction to Factual Management. Time Series Analysis.**
- **Check-in**
- **Assignments**
- **Forecasting**
  - 7:00 pm: Check-in Asynchronous Access to Materials, Self-Learning. Work on Assignment.

**Week 11**
- **Introduction to Data Management and Access to Materials, Self-Learning.**
- **Lecture**
- **Introduction to Factual Management. Time Series Analysis.**
- **Check-in**
- **Assignments**
- **Forecasting**
  - 7:00 pm: Check-in Asynchronous Access to Materials, Self-Learning. Work on Assignment.

**Week 12**
- **Introduction to Data Management and Access to Materials, Self-Learning.**
- **Lecture**
- **Introduction to Factual Management. Time Series Analysis.**
- **Check-in**
- **Assignments**
- **Forecasting**
  - 7:00 pm: Check-in Asynchronous Access to Materials, Self-Learning. Work on Assignment.

**Schedule Notes:**
- **Participants will be required to have 50 GB Cloud Storage in base OS and 2GB of RAM.**
- **Tableau Public Account Required:**
  - **RAM:** Minimum 2 GB
  - **Participants will be required to have SQLite and DB Browser for SQLite installation.**

**LEARNING OBJECTIVES:**
- **Introduction to Data Visualization and Data Storytelling.**
- **Manipulate data within Tableau.**
- **Introduction to Module:**
- **Assignments:**
- **Dashboarding and Data Storytelling:**
- **Asynchronous:**

**Participants will be required to have SQL Cloud Engine on their laptop:**
- **Type:** SQL Cloud Engine.
- **RAM:** Minimum 2 GB
- **Participants will be required to have SQLite and DB Browser for SQLite installation.**

**Attendance Check-in:**
- 7:00 pm: Check-in Asynchronous Access to Materials, Self-Learning. Work on Assignment.
- **Lecture**
- **Synchronous and Asynchronous:**
- **Introductory: Introduction to Factual Management. Time Series Analysis.**
- **Assignments:**
- **Forecasting:**
  - 7:00 pm: Check-in Asynchronous Access to Materials, Self-Learning. Work on Assignment.
<table>
<thead>
<tr>
<th>#</th>
<th>Time</th>
<th>Day</th>
<th>Hours</th>
<th>Trainer</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>71</td>
<td>Check-in</td>
<td>Asynchronous</td>
<td>Work on Excel Dashboard Project</td>
<td>Francis Tay</td>
<td>15-Apr-24 10:00 am to 10:00 pm Use of Excel and Work on project.</td>
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<td>72</td>
<td>Check-in</td>
<td>Asynchronous</td>
<td>Work on Excel Dashboard Project</td>
<td>Francis Tay</td>
<td>16-Apr-24 10:00 am to 10:00 pm Use of Excel and Work on project.</td>
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<td>73</td>
<td>Lecture</td>
<td>Synchronous</td>
<td>Recap</td>
<td>Francis Tay</td>
<td>17-Apr-24 7:00 pm to 9:00 pm Use of Excel and hand-on work.</td>
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<td>74</td>
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<td>Asynchronous</td>
<td>Work on Excel Dashboard Project</td>
<td>Francis Tay</td>
<td>18-Apr-24 10:00 am to 10:00 pm Use of Excel and Work on project.</td>
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<td>Work on Excel Dashboard Project</td>
<td>Francis Tay</td>
<td>19-Apr-24 10:00 am to 10:00 pm Use of Excel and Work on project.</td>
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<tr>
<td>76</td>
<td>Lecture</td>
<td>F2F</td>
<td>Forecasting, Project Prep</td>
<td>Francis Tay</td>
<td>20-Apr-24 10:00 am to 12:00 pm Project prep, etc.</td>
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<td>Work on Excel Dashboard Project</td>
<td>Francis Tay</td>
<td>22-Apr-24 10:00 am to 10:00 pm Use of Excel and Work on project.</td>
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<td>Work on Excel Dashboard Project</td>
<td>Francis Tay</td>
<td>23-Apr-24 10:00 am to 10:00 pm Use of Excel and Work on project.</td>
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<td>Work on Excel Dashboard Project</td>
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<td>24-Apr-24 10:00 am to 10:00 pm Use of Excel and Work on project.</td>
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<td>Francis Tay</td>
<td>25-Apr-24 10:00 am to 10:00 pm Use of Excel and Work on project.</td>
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<td>81</td>
<td>Check-in</td>
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<td>Francis Tay</td>
<td>26-Apr-24 11:00 am to 11:00 pm Use of Excel and Work on project.</td>
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<td>82</td>
<td>Lecture</td>
<td>F2F</td>
<td>Presentation of Excel Project</td>
<td>Francis Tay</td>
<td>27-Apr-24 10:00 am to 1:00 pm Project Due Date</td>
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* NTU reserves the right to change the date, make/venue of class or cancel class due to unforeseen circumstances.

** F2F lecture will be held at NTU@one-north campus (off Buona Vista Road).