**Pre-course Preparation**

* Go through the slides and read the speaker notes to know what to present
* Go through the notes, worksheet and answer key to be familiar with the content
* Download the slides, notes, worksheets, answer key and python scripts on your laptop (there is no internet in the classroom that we will be using)
* Install Python 3.11 and ‘freegames’ package

| **Time** | **Activity** | **Todo** |
| --- | --- | --- |
| **1600-1605 pm**  **(5 min)** | Welcome | * Brief on curriculum and learning objectives |
| **1605-1620 pm**  **(15 min)** | Functions | * Introduce functions * How to define, its purpose, why it is useful |
| **1620-1645 pm**  **(25 min)** | Snake Game | * Hand-held programming exercise * Students will create ‘Snake’ using Python * Explain how functions can ‘interact’ with each other (output of function A becomes input of function B) |
| **1645-1700 pm**  **(15 min)** | Rock Paper Scissors | * Using their understanding of functions, students will create a basic text-based RPS game * ‘Fill-in-the-blanks’ style exercise (most of the code is provided, students just need to fill in missing code correctly) * Confident students can choose to attempt without the helper code |

Freegames package:  [freegames - PyPI https://pypi.org › project › freegames](https://pypi.org/project/freegames/)

Tutorial link: [| How to create a Snake game using python | | AK python | - YouTube](https://www.youtube.com/watch?v=BKwnOOs0ml8)