

M1W1 Mentored Learning Session Plan

Learning Objectives

- To achieve a minimum common ground for all learners in the terms of the knowledge of the domain of AI, ML and this program.

Agenda of the session:

- Introduction with the learners
- Gauging learners' understanding and orienting them towards Data Science
- Industry perspective and practices.
- Brief introduction to Jupyter Notebook and Error Debugging
- Clarifying doubts regarding AI and Python.
- Summary of the session's learning.

Structure of the Session:

Duration	Topic	Details
30 min	<ul style="list-style-type: none"> • Welcome and Introduction 	<ul style="list-style-type: none"> • Introduce yourself to the learners and make them introduce themselves. • Set expectations for these learning sessions.
30 min	<ul style="list-style-type: none"> • Overview of AI & ML 	<ul style="list-style-type: none"> • Gauge the understanding of the learners in the group about AI, DS, ML and DL • Talk about the different terms used in AI and Data science space • Discuss the typical project Lifecycle • Give an example to show how different stages of lifecycle come to life

		<ul style="list-style-type: none"> • Talk about other fields where AI or DS can be used with few examples.
30 min	<ul style="list-style-type: none"> • Brief Intro to Python and QnA 	<ul style="list-style-type: none"> • Brief introduction about Jupyter notebook, Python libraries. • Take questions on some fundamentals of Python. • Talk about how to debug errors in python.
20 min	<ul style="list-style-type: none"> • Buffer Zone for Question and Answers 	<ul style="list-style-type: none"> • Use this time to clarify additional doubts. • Also, explain the industry practices as per your experience.
10 min	<ul style="list-style-type: none"> • Summarize the session 	<ul style="list-style-type: none"> • Provide a summary of the session

Important Points to Note

1. The objective of the session is to only give a brief introduction about the topics so that learners start thinking in a common way about AI, data science and the learning journey ahead in the program. Learners are expected to have limited knowledge of Python and this session is only to ensure that they get the blockers removed
2. Please make sure to clarify that all the subsequent sessions will have a hands-on case study. This is the only session we are going to have a theoretical case study
3. It is a good practice to open Jupyter to clarify some of the doubts/queries around Python