2/27/24, 8:37 AM Day 01

Python For Data Science

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## **Python For Data Science Course**

## Introduction

This course is designed to empower the students to unde learning, their application areas, and how machine learn hands-on interactive learning with guided machine learn duration will take around 2 months to complete the cour students weekly so that they can practice more of what t

In the hands-on exercise, the students get a chance to un the problem, and perform data cleaning, analysis, and m

After learning the course the students are expected to:

- 1) Understand the importance of data and how it ca
- 2) Code in Python and can write efficient codes for
- Learn the following tools and technologies:
  - a) Scikit learn
  - b) Numpy
  - c) Pandas
  - d) Data Visualization
  - e) Jupyter Notebooks
  - f) Python
- 4) Can easily start working on any problems related

## Table of Contents

## Python Fundamentals

- Getting Started with Python
- Install anaconda and Python on Windows and Li
- Variables and Data Types (String, Integer, Float,
- Lists and For Loops
- Conditional Statements
- Dictionaries and Frequency Tables
- Functions and their types
- Concept of modules
- 9 Working with OS

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