**COURSE OUTLINE**

**INTRODUCTION TO PYTHON**

**Course:** Python

**Faculty:** Gourab Nath

**Duration:** 20 hours (13 sessions)

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| **Session** | **Topics** |
| **Session 1** | Introduction to Python – Learning Basics – Values and Variables |
| **Session 2** | Control Structures and For Loop |
| **Session 3** | Playing with While Loop – Break and Continue |
| **Session 4** | Strings |
| **Session 5** | Class Test 1 |
| **Session 6** | Files |
| **Session 7** | Lists |
| **Session 8** | Dictionary |
| **Session 9** | Tuples |
| **Session 10** | Class Test 2 |
| **Session 11** | Introduction to NumPy |
| **Session 12** | Introduction to Pandas |
| **Session 13** | Slicing Data |