

## **Value Added Course**

Emerging trends in teacher education call for value Addition. As teachers is one of the important pillar of the society so pupil teacher must acquire something more than what is provided in the curriculum. It is important for higher education Institutions to supplement the curriculum to prepare their pupil teacher to meet the demand of society, our self , interest & aptitude.

Agra Public Teachers Training College (APTTC) offers a various value added courses which make their learner skill full & give opportunities to show their talent & learn new skills.

### **❖ Programming with Python**

**The course is designed to:**

**Course objectives:**

1. The course imparts the fundamental knowledge of programming skills.
2. The course develops the ability of problem solving and fundamental programming constructs.
3. Build basic programs using constructs like variables, conditional logic, looping, and functions.

**Course Outcomes:**

After the successful completion of the course, student would be able to:

4. Understand the main features of Python.
5. Develop basic computational thinking & concepts.
6. Explain and use data types & functions in python.
7. can develop small projects in python.

**Duration for the Course:** 30 hours

#### **Allocation of Total Hours for Each Session**

<b>Days</b>	<b>Module</b>	<b>Theory</b>	<b>Practical</b>
1	Fundamentals	5 hours	3 hours
2	Sequences and Modules	8 hours	4 hours
3	File Handling	3 hours	3 hours
4	Data Structure Operations	2 hours	2 hours