

# **NOTIFICATION**

## **Schools teaching Computer Science (Subject code 083) Python**

CBSE has decided to organize Python training for the teachers of grade XI and XII. In this regard it is brought to the notice of all Heads of the schools currently teaching Python or interested in taking Python under computer science stream (subject code 083) in their respective schools/institutions to send their teachers for the requisite training.

All such schools willing to send their teachers are requested to intimate Board by sending the filled in proforma (Annexure A). The filled in Proforma may be submitted to Dr. Kshipra Verma, Education Officer, CBSE Shiksha Sadan, 17-Rouse Avenue, New Delhi -110002 on or before 16<sup>th</sup> December, 2013.

A training calendar in this regard is attached for your ready reference. The exact venue of training will be intimated separately. Please refer Annexure B.

An online feedback form is also available for schools teaching computer science (subject code 083). You are requested to fill this form and submit before 31<sup>st</sup> December, 2013. (Annexure C).

It may be noted that Python may be opted by any school teaching Computer Science stream (subject code - 083). Schools are also free to select between C++ or Python under different classes/sections of same grade.

As per queries received from various schools regarding continuation of Python in next academic year (2014 -15) for Grade XI, it may be noted that Board will continue with C++ and Python under Computer Science stream.

It may also be noted that study material regarding Python is available on the CBSE website [www.cbseacademic.in](http://www.cbseacademic.in) under the head Training Innovation and Research under Teacher's Resources. This study material may be referred by students and teachers both. Grade XI book is available in CBSE's store while grade XII book will be printed shortly and may be obtained from the store.

In case of any queries related to this subject, you may contact Dr. Kshipra Verma, (Education Officer) on telephone number +91-011-23231067 or email at [kshipraverma.cbsei@gmail.com](mailto:kshipraverma.cbsei@gmail.com).

**Sd/-**

**Dr. Sadhana Parashar**

**Director (Academics, Research, training and Innovation)**

**COMPUTER SCIENCE (Python) – Training Requisition Form**

**Code No.: 083**

(PROFORMA)

**SCHOOL INSTITUTION DETAILS:**

Name of the School

CBSE Affiliation No.

Senior Secondary since:

Name of Trust/Society/Managing Committee

Name of the Principal/Head

Contact Address of the Principal/Head

Postal Address of the School

City

State

Pin Code

Telephone with STD

Mobile

Fax

Email

Website

Teaching Python in current academic Session 2013 -14:

Number of classes/sections in Grade XI under this option:

Total number of students under this option:

Will be opting Python in school from academic Session 2014 -15:

Following teachers will attend Python training from my school:

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**Signature of Principal**

**Name of Principal with  
stamp**

**Annexure B****COMPUTER SCIENCE****PYTHON TRAINING****TRAINING CALENDER - 2013-14**

<b>Sl. No.</b>	<b>Region</b>	<b>Venue City</b>	<b>Training Date</b>
<b>DECEMBER</b>			
<b>1</b>	<b>Chennai</b>	<b>Mysore</b>	<b>21<sup>st</sup> December, 2013</b>
<b>2</b>	<b>Patna</b>	<b>Patna</b>	<b>23<sup>rd</sup> December, 2013</b>
<b>JANUARY</b>			
<b>3</b>	<b>Bhuvneshwar</b>	<b>Bhuvneshwar</b>	<b>04<sup>th</sup> January, 2014</b>
<b>4</b>	<b>Ajmer</b>	<b>Bhopal</b>	<b>11<sup>th</sup> January, 2014</b>
<b>5</b>	<b>Chennai</b>	<b>Hyderabad</b>	<b>18<sup>th</sup> January, 2014</b>
<b>6</b>	<b>Bhuvneshwar</b>	<b>Raipur</b>	<b>25<sup>th</sup> January, 2014</b>
<b>February</b>			
<b>7</b>	<b>Allahabad</b>	<b>Udham Singh Nagar</b>	<b>1<sup>st</sup> February, 2014</b>
<b>8</b>	<b>Ajmer</b>	<b>Jamnagar</b>	<b>8<sup>th</sup> February, 2014</b>
<b>9</b>	<b>Allahabad</b>	<b>Lucknow</b>	<b>22<sup>nd</sup> February, 2014</b>
<b>MARCH</b>			
<b>10</b>	<b>Ajmer</b>	<b>Udaipur</b>	<b>8<sup>th</sup> March, 2014</b>
<b>11</b>	<b>Panchkula</b>	<b>Jalandhar</b>	<b>29<sup>th</sup> March, 2014</b>
<b>APRIL</b>			
<b>12</b>	<b>Delhi</b>	<b>Delhi</b>	<b>5<sup>th</sup> April, 2014</b>
<b>13</b>	<b>Panchkula</b>	<b>Ludhiana</b>	<b>12<sup>th</sup> April, 2014</b>
<b>14</b>	<b>Ajmer</b>	<b>Valsad</b>	<b>26<sup>th</sup> April, 2014</b>
<b>MAY</b>			
<b>15</b>	<b>Guwahati</b>	<b>Kolkatta</b>	<b>10<sup>th</sup> May,2014</b>
<b>16</b>	<b>Chennai</b>	<b>Chennai</b>	<b>24<sup>th</sup> May,2014</b>

**FEEDBACK FORM**

Q 1. Do you think programming logic & programming language should be treated separately while teaching Computer Science?

Yes, Completely  To some extent  Not at all

Q 2. Do you think that first programming language should be simple to comprehend for students so that they can concentrate in logic building?

To great extent  To some extent  Not at all

Q 3. Do you think simple programming language will help teacher to focus more in enhancing logical / programming skills of students, which is mandatory **for the course**

To great extent  To some extent  Not at all

Q 4. Do you think, that students will be motivated / interested in opting for Computer Science (083), if they can move on to hands on programs as soon as the programming language is introduced i.e. without discussing details of language?

To great extent  To some extent  Not at all

Q 5. Do you think, that while teaching OOP's concept i.e in class XII, students should be developing program using object approach only?

To great extent  To some extent  Not at all

Q 6. What is more important :

- i) Teaching Programming Language
- ii) Teaching programming logic
- iii) Both

Q 7. Do you think, good logical skills empower students to learn programming language of their choice.

To great extent  To some extent  Not at all

Q 8. Do you think python language is easy to comprehend for students as compared to C++?

To great extent  To some extent  Not at all

Q 9. Do you find yourself competent enough to teach python?

To great extent  To some extent  Not at all

Suggestions (If any) :

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From:

Name of the School : \_\_\_\_\_

Address of School : \_\_\_\_\_

Name of the Teacher : \_\_\_\_\_

Email ID of : \_\_\_\_\_

Phone, Fax No. : \_\_\_\_\_

Kindly fill and mail this document to [pythoncbse2013@gmail.com](mailto:pythoncbse2013@gmail.com)