

# Report

## **Summer School on Python and C Programming for the School Children**

### *Objective:*

Introduction to programming a computer through Python and C programming languages in the environment of Linux operating system.

### *Duration and Time:*

26th May to 6th June, 2014 (5+5 = 10 days), 3.5 hours per day: 9am to 12:25pm. One hour of lecture followed by two hours laboratory in the CIC PC laboratory.

### *Fees:*

Rs 175/- per participant.

### *Coordinator:*

Goutam. Biswas, Department of CSE

### *Instructors:*

Goutam Biswas and Parantapa Bhattacharya, Research Scholar, Dept. of CSE, IIT Kharagpur.

### *Participants Registered<sup>1</sup>: 70*

| Boy: 54, Girl: 16, IIT: 12, Non-IIT: 58 |              |               |
|---|--------------|---------------|
| <i>School</i>                           | <i>Class</i> | <i>Number</i> |
| Kendriya Vidyalaya, IIT Kgp             | IX           | 09            |
|   | X            | 09            |
|   | XI           | 01            |
| Sacred Heart School II                  | IX           | 01            |
| St Agnes School, Kharagpur              | IX           | 02            |
| Hijli School, IIT Kgp                   | XII          | 01            |
| DAV Model School, IIT Kgp               | IX           | 14            |
|   | X            | 13            |
| S E Rly. M H S, Kharagpur               | X            | 01            |
| Kendriya Vidyalaya, AFS Salua           | IX           | 05            |
| DAV Public School, Midnapore            | IX           | 01            |
|   | X            | 04            |
| Midnapur Collegiate School, Midnapur    | X            | 09            |

### *Course Coverage:*

Introduction to computer system, structure of a Python program, basic data types in Python (int, float, boolean, string, list, and dictionary), assignment of name to value, basic operators and operations, expression, control and loops, function, recursion etc.

Introduction to C programming. Representation of integer.

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<sup>1</sup>Please see the attached list. Three of the participants attend very few class

**Acknowledgment:**

Dr. D K Nanda (CIC), Atanu Maity, Bishnu Paria, Shibabroto Banerjee (CSE), security personal CIC and many more.

**Accounts:**

| Fees       | Expenditure        |           |      | Balance (Rs) |          |
|------------|--------------------|-----------|------|--------------|----------|
| @ Rs 175/- | Item               | Rate (Rs) | Qty. | Amount (Rs)  |          |
| 70 × 175/- | Note Book          | 23/-      | 70   | 1610.00      |          |
| = 12,250/- | Pen                | 5/-       | 70   | 350.00       |          |
|            | Pencil             | 4.80/-    | 70   | 336.00       |          |
|            | Eraser             | 3/-       | 70   | 210.00       |          |
|            | Board marker       | 35/-      | 04   | 140.00       |          |
|            | Snack (last day)   | 15/-      | 75   | 1125.00      |          |
|            | Lassi <sup>2</sup> | 15/-      | 329  | 4935.00      |          |
|            | Masti              | 12/-      | 335  | 4020.00      |          |
|            |                    |           |      | 12,726.00    | – 476.00 |

**Attachments:**

- Four cash memos - Two of *Students' Corner*, and two of *A. Tarakeswar Rao*.

To  
The Dean,  
Continuing Education

(Goutam Biswas)  
Dept. of CSE