CHHOTUBHAI GOPALBHAI PATEL INSTITUTE OF TECHNOLOGY

Department of Electronics & Communication Engineering

and

Information & Communication Technology

A REPORT

ON

One Week Short Term Training Program on "Python Programming & its Application"

Organizing Department	Electronics & Communication department Under ISTE Faculty and Student Chapter.
Chief Patron	Dr. D. R. Shah, Provost, UTU.
Patron	Dr. R. V. Patil, Director, CGPIT.
Convenor	Prof. Krupa Dave, Head EC/ICT Department
Programme Coordinators	Prof.Nita Patil Prof. Manish Nakrani Prof. Chintan Desai
Target Audience	UG & PG Students
Total Number of Participants	41
Date of Programme	20thJanuary to 24th January 2020.
Invited Speakers	(1) Prof. Jignesh Patoliya Assistant Professor, Electronics & Communication Engineering Department Chandubhai S Patel Institute of Technology (CSPIT) Charotar University of Science and Technology – CHARUSAT. (2) Prof.Miral Desai Assistant Professor, Electronics & Communication Engineering Department Chandubhai S Patel Institute of Technology (CSPIT) Charotar University of Science and Technology – CHARUSAT. (3) Dr. Hiren Mewada Associate Professor, Electronics & Communication Engineering Department Chandubhai S Patel Institute of Technology (CSPIT) Charotar University of Science and Technology – CHARUSAT.

Schedule of STTP:-

Day & Date	Course contents	Facilitator
Day 1 (20/01/2020)	Introduction to python, Applications of python, Basic Data types, Flow control, Loop, Operators, Variable scope, Strings, List, Tuples, Dictionary, Try and exception.	Prof. Jignesh Patoliya Assistant Professor, EC Dept. Charotar University of Science and Technology, Changa.
Day 2 (21/01/2020)	User defined functions, Modules, Packages, Programming embedded boards using python: Arduino, Raspberry Pi, GUI development using python.	Prof. Jignesh Patoliya Assistant Professor, EC Dept. Charotar University of Science and Technology, Changa.
Day 3 (22/01/2020)	File processing, Regular expressions, Oops concepts, Understanding of classes and objects, Creating classes and objects, Constructor, Inheritance, Method overloading.	Prof. Miral Desai Assistant Professor, EC Dept. Charotar University of Science and Technology, Changa.
Day 4 (23/01/2020)	Numpy, Panda, Iterators, decorators, generators Data plotting using Matplotlib.	Prof. Miral Desai Assistant Professor, EC Dept. Charotar University of Science and Technology, Changa.
Day 5 (24/01/2020)	Engineering applications using python.	Prof.(Dr.) Hiren Mewada Associate Professor, EC Dept. Charotar University of Science and Technology, Changa.

Details of the STTP:
Preamble:

Department of Electronics & Communication Engineering, CGPIT had organized Five Days Short Term Training Programme on "Python Programming and its Applications" sponsored by Uka Tarsadia University from 20th January 2020 to 24th January 2020. Total 41participants participated in this STTP which includes faculties and B.Tech & M.Tech students from CGPIT and different institutes of Uka Tarsadia University.

The STTP was started with UTU anthem as per tradition our experts were felicitated by the coordinators (Prof. Krupa Dave, Prof. Nita Patil, Prof. Manish Nakrani and Prof. Chintan Desai) of the STTP.

Prof. Krupa Dave and Prof. Chinmay Desai had given a brief introduction about the Python applications on which the STTP was focused. She introduced the expert and expressed her views about the importance of STTP.

Honourable Director of CGPIT, Dr. R.V. Patil had given the welcome speech. He motivated the faculties and students for participating in technical events like short term training program, workshop, expert talk, etc. He also congratulated the EC Department for

organizing such STTP. He also appreciated the efforts made by EC Department with the great coordination.

Head of the EC Department Prof. Krupa Dave had given a brief introduction about five days STTP on "Python Programming and its Applications". The program coordinators of the STTP had given the vote of thanks.

Session Details:

Day 1 and Day 2 (20th and 22th January 2020)

- ➢ Introduction to python,
- ➢ Applications of python,
- ➢ Basic Data types,
- ➢ Flow control,
- ➢ Loop,
- ➢ Operators,
- ➢ Variable scope,
- ➢ Strings.
- ➢ List, tuples, dictionary, Try and exception
- ➢ User defined functions, Modules, Packages,
- ➢ Programming embedded boards using python: Arduino, Raspberry Pi,
- ➢ GUI development using python

(Above contents were delivered by Prof. Jignesh Patoliya Assistant Professor, Electronics & Communication Engineering Department, Chandubhai S Patel Institute of Technology (CSPIT), Charotar University of Science and Technology – CHARUSAT.)

Day 3 and Day 4 (22nd and 23rd January 2020)

- ➢ File processing,
- ➢ Regular expressions,
- ➢ Oops concepts,
- ➢ Understanding of classes and objects,
- ➢ Creating classes and objects,
- ➢ Constructor, Inheritance, method overloading
- ➢ Numpy,
- ➢ Panda,
- ➢ Iterators, decorators, generators Data plotting using Matplotlib

(Above contents were delivered by Prof. Miral Desai, Assistant Professor, Electronics & Communication Engineering Department, Chandubhai S Patel Institute of Technology (CSPIT), Charotar University of Science and Technology – CHARUSAT.)

Day 5 (24thJanuary 2020)

- ➢ Engineering applications using python.

(Above contents were delivered by Dr. Hiren Mewada, Associate Professor, Electronics & Communication Engineering Department, Chandubhai S Patel Institute of Technology (CSPIT), Charotar University of Science and Technology – CHARUSAT.)

Valedictory Function:

Valedictory function started with UTU Anthem. Prof. Krupa Davegave concluding speech.She congratulated EC Department for organizing such STTP.

Dr. HirenMewada also shared their experience about the STTP at our institute. As a token of love and gratitude a memento were presented to all the experts by Prof. KrupaDave.

At the end of STTP, feedback was collectedfrom the participants which includes students as well as faculties. The feedback was positive and everyone was satisfied with the contents delivered.

Glimpse of the STTP:

Registration Desk & High Tea

Dignitaries on the Dais, Welcoming the Dignitaries&

Speech by Dignitaries
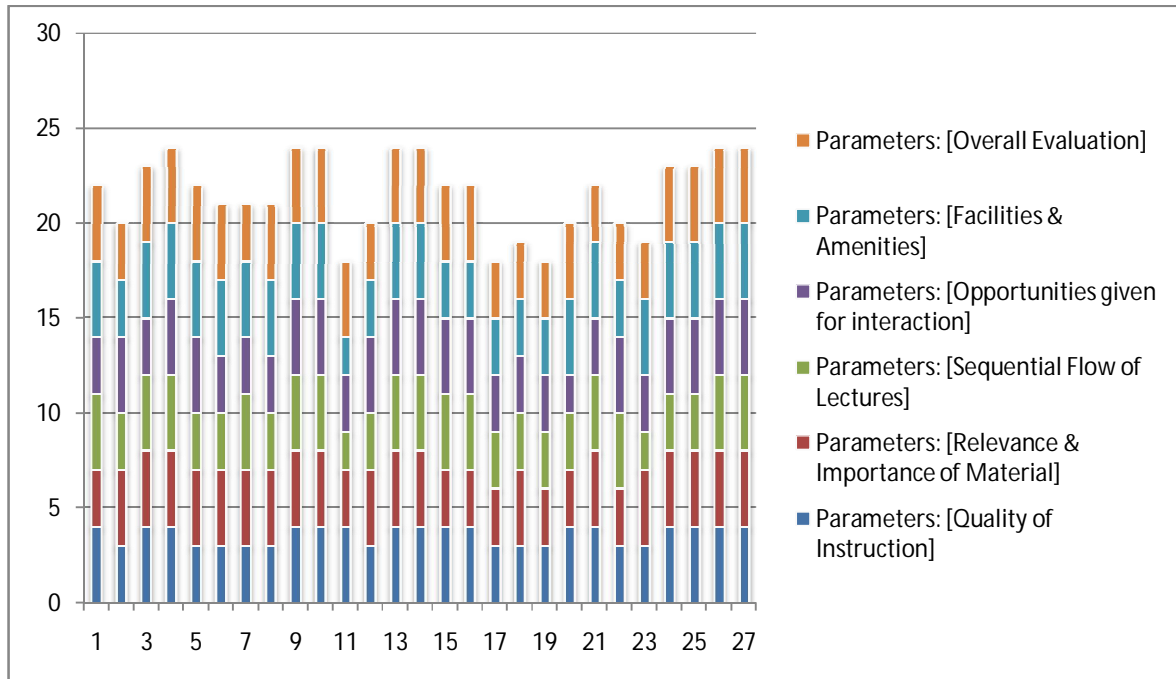
Technical Sessions

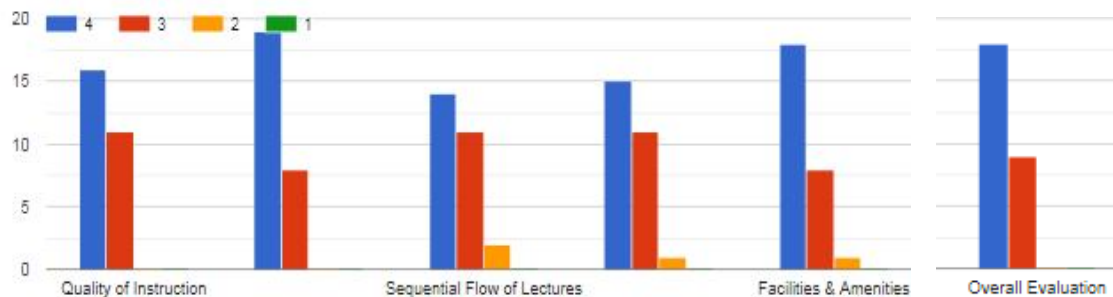## Valedictory Function

Organizing Committee of STTP

Feedback Analysis:

Feedback form was collected from the participants in last session of the STTP. The overall feedback of the STTP was very positive. Here are some of the feedbacks, which were given by participants.

Would you recommend this course to others in your profession?

27 responses