Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College, Vashi
(Autonomous College)
Sector - 15A, Vashi, Navi Mumbai - 400 703
Reaccredited by NAAC with A+ Grade, CGPA 3.53
ISO 9001:2015, Certified Institute "Best College Award" by University of Mumbai

Department of Computer Science

Spectrum i-Tech
Organizes (Under The Aegis of RUSA)

Date : 15th Feb. 2021 To 3rd Mar. 2021 | Workshop Time : 03.00 PM To 05.00 PM

Students Training Program on Advance Python
CONTACT PERSON

Ms. Deepali Y. Patil	Dr. Manisha S. Abhyankar	Dr. Shubhada Nayak
Convener	Head of Departmnet of Computer Science	I/C Principal

Report on Student Training Program

Title: Student Training Program on Advance Python
Date(s): 15th February 2021 to 3th March 2021
Time: 03.00pm-05.00pm

Preamble: Student Training Program on Advance Python has been conducted from **15th February 2021 to 3th March 2021**, at Karmaveer Bhaurao Patil College,Vashi .This Student Training Program has been sponsored by RUSA(Rashtriya Uchchatar Shiksha Abhiyan) and collaboration with Spectrum i-tech Vashi

Participant's Details: A total of 23 participants attended the workshop.

Description about the Program:
The Inaugural started with a welcome speech by Assistant Professor Mrs. Dipti Kulkarni.
The Student Training Program was held by Rayat Shikshan Sanstha's, Karmaveer Bhaurao Patil College, Department of computer science in collaboration with The Spectrum i-tech Vashi under the Aegis of RUSA   on Advance Python. The spokesperson of the STC was Mr. Vighnesh Bhoir has completed his MCA from Delhi University, and is having 5 years of experience in the field of IT services, he is currently working as software trainee in Spectrum i-tech vashi. He has completed his certifications in Professional Java,IZ0-051 Oracle | Database 11g: SQL Fundamentals with a score of 98% and Data Science (Big Data & Hadoop) By EduPristine in 2017.he has also vast experience in HDFS, MapReduce,Scoop,Spark,Hive,Pig,Hbase.

 Objective:

To enable participants:

To gain Basic knowledge of Python.

To acquire Object Oriented Skills in Python

To develop the skill of designing Graphical user Interfaces in Python.

To develop the ability to write database applications in Python

Student Training Program Content:

Introduction to the Python

1. What is Python ?
2. Environment Setup
3. Variables
4. Data types & Operators

Conditions

1. Decision Making
2. Loops

Python Data Types Part-1

1. Python Numbers
2. Python Strings

Python Data Types Part-2

1. Lists-Part1
2. Tuples-Part2
3. Dictionary-Part3

Python Data Types Part-2

1. Lists-Part2
2. Tuples-part2
3. Dictionary-Part3

Python Data Types Part-3

1. Lists-Part2
2. Tuples-part2
3. Dictionary-Part3

Python Adv Concepts-1

1. Python Iterators
2. Python MultiThreaded programming
3. Python PIP command

Python Numpy

Python Matplotlib

Python Pandas

Python CGI Programming

Python Database Access

Python GUI Programming Part-1

Python GUI Programming Part-2

Python GUI Programming Part-3

Mode of Workshop: Google Meet

Link: https://meet.google.com/xuc-fwnv-ykp

Assistant Prof Mrs. Dipti Kulkarni, proposed a vote of thanks.

The entire programme was coordinated with the support of the Principal Dr.Shubhada Nayak, HOD Dr.Manisha Abhyankar and faculties of the Computer Science Department.

Feedback:
The entire session was an interactive session and the speakers answered many queries and doubts raised by the participants. Students understood the Student Training Program and it was helpful for them.
To view the feedback. Link is given below
https://forms.gle/Hoya1KkwAudTA6pN6

Report Submitted by: Ms. Deepali Patil
Designation: Assistant Professor
Department: Computer Science

Photos:

Outcomes :-

- Students are able to interpret the basic principles of Python programming language.
- Students are able to Implement database and GUI applications.
- Students are able to Manipulate python programs by using the python data structures like lists, dictionaries, tuples, strings and sets.
- Students are able to learn the fundamentals of some of the most widely used Python packages; including NumPy, Pandas and Matplotlib, then apply them to Data Analysis and Data Visualization projects.

- Students are able to create complex calculations and dynamic parameters.
- Students are able to apply advanced formatting and data visualization best practices

Certificate Format

Rayat Shikshan Sanstha's
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DEPARTMENT OF COMPUTER SCIENCE
Teacher's And Student's Training Program in
"ADVANCE PYTHON" (Under the Aegis of RUSA)
In Collaboration with
Spectrum i Tech

This is to certify that

Mr. Aniket Maruti Wadkar

of **F.Y. Computer Science** has completed the Skill Based Course of 30 Hours in
"ADVANCE PYTHON" in the academic
year 2020-21 and obtained **"B"** grade.

Academic Registrar	Course Coordinator	I/C Principal
L. S. Pillai	**Dr. Manisha Abhyankar**	**Dr. Shubhada Nayak**

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding is done at **KARMAVEER BHAURAO PATIL COLLEGE** Vashi, Navi Mumbai.
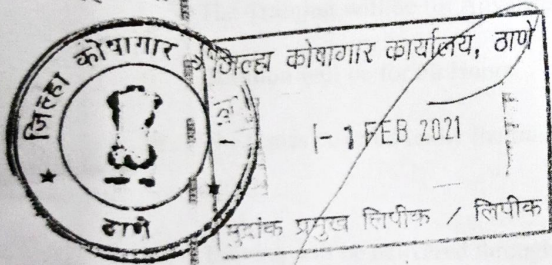
BETWEEN

The Rayat Shikshan Sanstha's **KARMAVEER BHAURAO PATIL COLLEGE VASHI, NAVI MUMBAI** (hereinafter referred as **K.B.P. College**) a Government recognized and autonomous college affiliated to the University of Mumbai rendering services for the propagators of education in Arts, Commerce, Sci. and professional courses in this area/region, through **Dr. Shubhada S. Nayak**, the Principal of College, having address at Sector 15 A, Juhunagar, Vashi, Navi Mumbai- 400 703, as the party of FIRST PART.

AND

SPECTRUM I-Tech (A Division of SPECTRUM VENTURES) through **MRS. LATA S PILLAI - Proprietor**, having office at S188 Corporate Wing, Haware Fantasia Business Park, Sector 30A, Vashi, Navi Mumbai- 400703, as the party of the SECOND PART.

Whereas **SPECTRUM I-Tech** is specialised in training of various **IT Software and Hardware Networking Courses** and KBP College is desirable of conducting relevant short-terms training courses for their bonafide students, both parties hereby enter into an Understanding as stated below

On

20th Jan, 2021 for the Academic Year 2020-21:

NOW THIS MEMORANDUM OF UNDER STANDING WITNESS AS UNDER-

1. This Memorandum of Understanding (hereinafter referred to as the **MOU**) is entered into by the parties for the academic year 2020-2021.

   I. The Training will be for Advanced Python.

   II. Duration will be for 30 Hours.

   III. The topics covered under the training is given as **ANNEXURE A**, forming part of this MOU.

   IV. Training will be delivered through Online Lectures.

   V. Attendance will be maintained by **SPECTRUM I-Tech**

   VI. The exam (theory and practical) will be conducted by **SPECTRUM I-Tech.**

   VII. Feedback (student's feedback on particular course) will be collected by **SPECTRUM I-Tech**

   VIII. The course certificates in **Digital Format** will be provided to the successful Students by **SPECTRUM I-Tech.**

   IX. It is agreed that course material will not be issued to the students for the training.

2. KBP College will nominate the list of students to be trained with their email address and contact telephone number to enable prepare the batch.

3. Payment will be made in favour of **SPECTRUM VENTURES**

4. FEES:

Sr. no	Training Module	Total Duration	Fee be paid directly to (DP)
1	1. Advanced Python	30 hours	Rs. 40,000/- lumpsum
	Training Dates Feb 15 to Mar 3 2021. Excluding Sundays.		

In Witness the parties hereto have set and subscribed their respective hands and seals on 20th January 20121 as herein above mentioned.

Signed, Sealed and Delivered By

For: **SPECTRUM VENTURES**   Principal

PRINCIPAL
KARMAVEER BHAURAO PATIL COLLEGE
VASHI, NAVI MUMBAI - 40 705.

In Witness-

1) Dr. Manisha Abhayankar   :

2) Ms. Dipti Kulkarni   :