



**LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING**

**(AUTONOMOUS)**

**Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)**

**Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada**

**L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India**

**DEPARTMENT OF INFORMATION TECHNOLOGY**

**REPORT ON EVENT Two-Week Certificate Training Programme on “Python For Everybody”**

|                                 |  |
|---------------------------------|--|
| <b>Event Type</b>               | : Certificate Training Course  |
| <b>Date / Duration</b>          | : 14 <sup>th</sup> May, 2019-27 <sup>th</sup> May,2019 /(Two Weeks)                                      |
| <b>Resource Persons</b>         | : 1. Mr. B Ravi Sastry, Trainer & Developer ,APSSDC<br>2. Mandoori Venkata Gopi, Junior Software Trainee |
| <b>Name of Coordinator</b>      | : 1. Mr. V.V. Krishna Reddy<br>2. Mr. K.Rajasekhar   |
| <b>Target Audience</b>          | : II <sup>nd</sup> B.Tech Students   |
| <b>Total no of Participants</b> | : <b>58</b>  |

**Objective of the event:** The main objective of this Two- Week Certificate Training Course is teach everyone the basics of programming computers using Python. This Specialization builds on the success of the Python for Everybody course and will introduce fundamental programming concepts including data structures, networked application program interfaces, and databases, using the Python programming language. In the Capstone Project, you’ll use the technologies learned throughout the Specialization to design and create your own applications for data retrieval, processing, and visualization.

**Created by University of Michigan:**

This course aims to teach everyone the basics of programming computers using Python. We cover the basics of how one constructs a program from a series of simple instructions in Python. The course has no pre-requisites and avoids all but the simplest mathematics. Anyone with moderate computer experience should be able to master the materials in this course.

**Outcome of event:**

**After completion of this workshop participants will be able to:**

This course aims to teach everyone the basics of programming computers using Python. The basics of how one constructs a program from a series of simple instructions in Python were covered. The course has no pre-requisites and avoids all but the simplest mathematics. Anyone with moderate computer experience should be able to master the materials in this course.

**Description / Report on Event:** The Department of IT conducted and Skill Development Centre jointly organized a Two-Week Certificate Training Course on “Python For Everybody”, **during: 14<sup>th</sup>, May 2018– 27<sup>th</sup>, May 2018** in Data Engineering Lab (1<sup>st</sup> Block) for B.Tech students of IT Department of LBRCE.

**Inaugural Session:**

- The chief guest Dr.K.Apparao, Principal of LBRCE addressed the students and stated the importance of Python Programming and how important these Certificates in the job market for ones career. He also told in addition to the good CGPA in B.Tech., students must develop skills required for the Industry.
- Dr B.Srinivasa Rao, HOD of IT instructed the students to learn these certification courses which could be helpful for students during their placements.
- Dr.K.S.M.V.Kumar, SDC-LBRCE Co-ordinator suggested that the students can add Python programming language as an additional skill in their in technical skill set.
- Resource persons **B Ravi Sastry** and **Mandoori Venkata Gopi** from APSSDC has addressed the students about the importance of python programming in the current market place and revealed the course content which will be covered during the Two Week Certification course.

## About Course:

This Specialization builds on the success of the Python for Everybody course and will introduce fundamental programming concepts including data structures, networked application program interfaces, and databases, using the Python programming language. In the Capstone Project, you'll use the technologies learned throughout the Specialization to design and create your own applications for data retrieval, processing, and visualization.

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## Schedule of the Course:

### Day 1:

Why We Program?, Installing and Using Python, Variables and Expressions, Conditional Code, Functions, Loops and Iterations

### Day 2:

Strings, Files, Lists

### Day 3:

Dictionaries, Tuples, Regular expressions, Programs, Explanation of coursera

### Day 4:

Using Databases with Python

### Day 5:

Capstone: Retrieving, Processing, and Visualizing Data with Python

### Day 6:

Python to Access, Web data, Clear doubts, Assignments, LMS and practice session

### Day 7:

Databases with Python, Clear doubts, Assignments, LMS and practice session

### Day 8:

Databases with Python

Clear doubts, Assignments, LMS and practice session

### Day 9:

Capstone: Retrieving, Processing, and Visualizing Data with Python Clear doubts, Assignments, LMS and practice session.

### Day 10:

Python to Access Web data

Clear doubts, Assignments, LMS and practice session

### Day 11:

Databases with Python

Clear doubts, Assignments, LMS and practice session

### Day 12:

Capstone: Retrieving, Processing, and Visualizing Data with Python Clear doubts, Assignments, LMS and practice session

During the valedictory session coordinator Mr. V.V. Krishna Reddy and Mr. K. Rajasekhar thanked all the dignitaries, participants and other members who are involved for the smooth functioning of the certificate training course. Principal Dr.K Appa Rao & HOD of IT Prof. Dr.B.Srinivasa Rao felicitated the resource persons with memento.

## Feedback / Suggestions from the participants:

1. More number of workshops is to be conducted for enhancement of practical knowledge.
2. More number of such programs is to be conducted for improving of practical knowledge

## Sample Certificates:



This certificate features a blue and white design. On the left, a vertical banner contains the Coursera logo and a list of five courses. The main text area includes the University of Michigan logo, the date 05/30/2019, the recipient's name, and the specialization title. A signature and title are on the right, and a verification URL is at the bottom right.

**LEARNING WITHOUT LIMITS**  
**coursera**  
**SPECIALIZATION CERTIFICATE**

**5 Courses**

Programming for Everybody (Getting Started with Python)  
Python Data Structures  
Using Python to Access Web Data  
Using Databases with Python  
Capstone: Retrieving, Processing, and Visualizing Data with Python

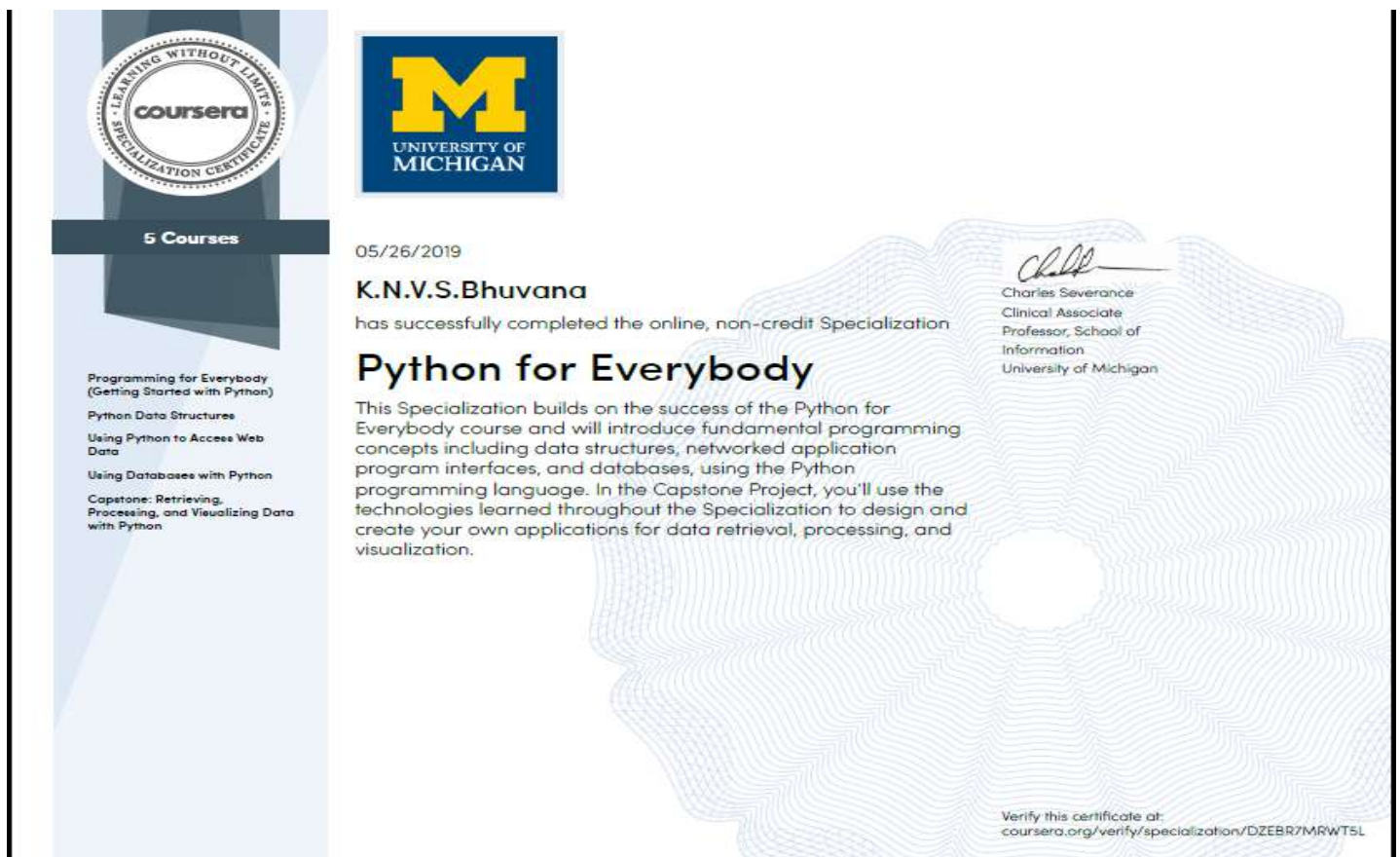
**M**  
UNIVERSITY OF MICHIGAN

05/30/2019  
**CH Humanvitha Sai Dharani**  
has successfully completed the online, non-credit Specialization  
**Python for Everybody**

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*Charles Severance*  
Charles Severance  
Clinical Associate Professor, School of Information  
University of Michigan

Verify this certificate at:  
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