NAGARJUNA GOVT. COLLEGE (A)

IIT BOMBAY SPOKEN TUTROAL

AYADEMIC YEAR: 2020-21

Organized by

NODAL

TELANGANA SKILLS & KNOWLEDGE CENTRE

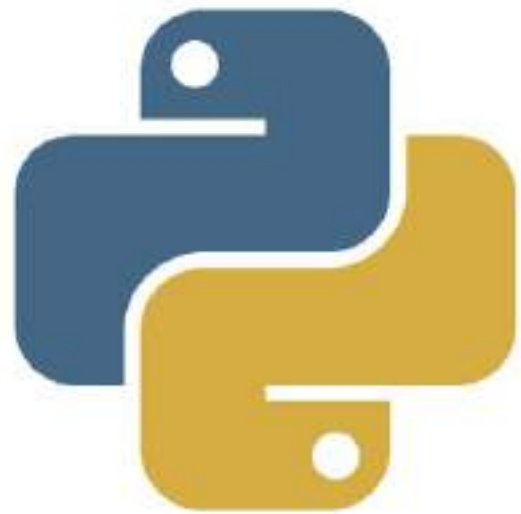TS KC

Telangana Skills & Knowledge Centre

SUCCESS

FUTURE

CREATING OPPORTUNITIES

DEVELOPING SKILLS

UNLEASHING POTENTIAL

NAGARJUNA GOVERNMENT COLLEGE (A)

Re-Accredited by NAAC with 'A' Grade
Affiliated to Mahatma Gandhi University

NALGONDA

CERTIFICATE

COURSE

python™

What is Python?

Python is a general purpose, high level, remarkably powerful dynamic programming language used in a wide variety of application domains.

Why Python?

- Easy to read and learn
- Free and Open Source
- Useful for scientific computing
- Powerful interactive interpreter
- Extensive scientific libraries
- Well documented

Where can you use Python?

- Numeric and Symbolic computation
- 2D/3D Plotting
- User interfaces
- Parallel computing
- Machine Learning and Image Processing
- Game development
- Web development
- Much more...

Who uses Python?

- Google
- Yahoo
- Walt Disney
- NASA
- IBM
- YouTube
- nVIDIA
- Software - Blender, Motion Builder, Cinema 4D, etc.
- Games - Battle field 2 by EA sports, Crystal space 3D, etc.

Python is one of the most popular programming languages today, and therefore has been included in the CBSE curriculum. It easily performs tasks that proprietary tools like Matlab and Mathematica offer. Today leading companies are using Python extensively, hence there are better job opportunities. Learn Python, and grab the Opportunity!

matplotlib   django   pandas   SciPy

SymPy   IP[y]: IPython Interactive Computing   Mayavi   NumPy

How can you learn Python

- **Spoken Tutorial -** The FOSSEE project has created a series of Spoken Tutorials on Python. Theses are available for learning, on the Spoken Tutorial website, free of cost. You can access these tutorials from this link
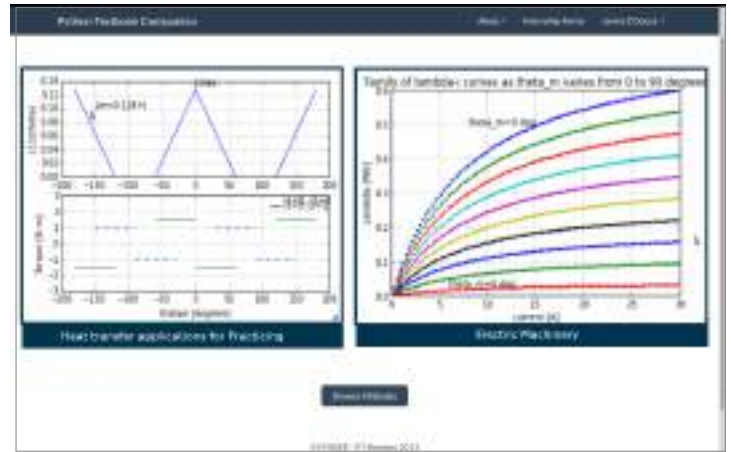
  python.fossee.in/spoken-tutorials

Spoken Tutorial website

- **Textbook Companion Internship -** Learn Python in a practical way by contributing to the Python Textbook Companion Internship. It aims to create Companions by coding solved examples from Standard textbooks, using Python. Participate and earn attractive honoarium and Certificate of Internship from FOSSEE, IIT Bombay! For more details, please visit:

  python.fossee.in/textbook-companion-project

  Completed Book : Approx 453 books

  Under Progress : Approx 113 books

Python Textbook Companion website

- **SELF Workshops -** The Spoken Tutorial Team conducts workshops on Python. These are completely free of cost, and are conducted without the need of any domain expert. Learn Python and obtain a certificate from Spoken Tutorial Project, IIT Bombay, upon successful completion of the post-workshop evaluation test. Please visit:

  python.fossee.in/spoken-tutorials

About us

Website:

http://python.fossee.in

Contact us

General help & Queries:

info@fossee.in

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better
e d u c a t i o n

IIT BOMBAY

NAGARJUNA GOVT. COLLEGE (A) NALGONDA
TELANGANA SKILL & KNOWLEDGE CENTRE

Python 3.4.3 Certificate Course

in collaboration with
IIT Bombay Spoken Tutorial

✳✳✳

Report:

Telangana Skill & Knowledge Centre (TSKC) conducted a certificate course on Python from 15-01-2021. In this course 112 Final year students from MPCS,MSCS were enrolled and successfully completed their training.

Course outcome:

Python is Numerical computational software and it is used in 3D animation and Gaming industry, Artificial Intelligence, YouTube, NASA, CERN, Yahoo and so on. This course is very useful for Computer Science/Application background students to get the placements in MNC's

NAGARJUNA GOVT. COLLEGE (A) NALGONDA
TELANGANA SKILLS & KNOWLEDGE CENTRE

Date: 03-01-2021

NOTICE

All the B.Sc, B.Com & B.A students are hereby informed that, TSKC begins IIT Bombay Spoken tutorial registration from 03-01-2021 for the Academic Year 2020-21. Last date for registration is 09-01-2021. Interested students should register in IIT Bombay Spoken Tutorial by scanning the QR Code or by clicking the link which was sent in Telegram Group.

Note:

1. It is a free of cost & remote learning training
2. After completion of course you will get a certificate from IIT Bombay Spoken Tutorial
3. Course will be allotted and will intimate on 12-01-2021
4. Already registered student no need to register again

TSKC Co-Ordinator (Nodal)
N.G. College (A), NALGONDA

NAGARJUNA GOVT. COLLEGE(A) NALGONDA
TELANGANA SKILL & KNOWLEDGE CENTRE
IIT BOMBAY SPOKEN TUTORIAL
Python - Python 3.4.3-Student Enrollment

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NAGARJUNA GOVT. COLLEGE(A) NALGONDA
TELANGANA SKILL & KNOWLEDGE CENTRE
IIT BOMBAY SPOKEN TUTORIAL
Python - Python 3.4.3-Student Enrollment

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IIT BOMBAY SPOKEN TUTORIAL
Python - Python 3.4.3-Student Enrollment

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IIT BOMBAY SPOKEN TUTORIAL
Python - Python 3.4.3-Student Enrollment

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NAGARJUNA GOVT. COLLEGE (A) NALGONDA
TELANGANA SKILLS & KNOWLEDGE CENTRE

Date: 13-01-2021

NOTICE

All the below mentioned groups of IIT Bombay Spoken Tutorial registered students are hereby informed that, TSKC allotted your course for the Academic year 2020-21 shown below. In this regard instructed that completed your course before 28-02-2021.

Sl.No	Group	Year	Software Course
1	MPCS	III Year	Python - Python 3.4.3
2	MSCS	III Year	
3	BCOM	III Year	Accounting and Finance - FrontAccounting-2.4.7
4	BZCA	III Year	C and Cpp
5	MPCS	II Year	
6	MSCS	II Year	
7	MCIC	III Year	GeoGebra 5.04
8	MPC	III Year	LibreOffice Suite Calc
9	MPG	III Year	
10	BBC	III Year	
11	BA	III Year	LibreOffice Suite Impress
12	BCOM General	III Year	LibreOffice Suite Writer
13	BCOM	II Year	

Note: Any doubts contact @ TSKC Lab, NG College(A) Nalgonda

1 Online / Offline content

1. The online content of Spoken Tutorials can be accessed from :
   https://spoken-tutorial.org/tutorial-search/

2. You can also download the Spoken Tutorials for offline learning from :
   https://spoken-tutorial.org/cdcontent/

3. From this link download the FOSS categories in the language you wish to learn.

4. The Spoken Tutorial content will be downloaded as a zip file on your machine.

5. Extract the contents of the zip file & access them.

2 The procedure to practise

1. You have been given a set of spoken tutorials and files.

2. You will typically do one tutorial at a time.

3. You may listen to a spoken tutorial and reproduce all the steps shown in the video.

4. If you find it difficult to do the above, you may consider listening to the *whole* tutorial once and then practise during the second hearing.

3 Python

1. Click on "Select FOSS Category" or "All FOSS Categories" drop-down and choose "Python 3.4.3".

2. Click on "Select Language" or "All Languages" drop-down and choose the language (English, Hindi, Marathi ...) in which you wish to learn.

3. Click on "Submit" button.

4. You will see a list of tutorials based on your selection.

5. Start with the first tutorial in the displayed list.

4 First Tutorial: Getting started with ipython

1. Locate the topic "Getting started with ipython" and click on it.

2. To view the tutorial, click on the Play icon which is located in the player.

3. The Pre-requisite will be visible below the player (only for Online contents).

4. Outline, Assignments and Code Files are available below the player.

5. Adjust the size of the browser in such a way that you are able to practice in parallel.

4.1 Open Python console in Linux OS

(a) The tutorials are explained on the Linux OS.

(b) It will be easy for Linux users to follow, as instructed on the tutorial.

(c) Open the Terminal by pressing CTRL+ALT+T keys together.

(d) In the Terminal window, type ipython3.

(e) This will open the Python console with ipython preloaded.

(f) Now, you can type your commands in the Python console.

(g) In the Python scripts, we have used 4 spaces for indentation.

(h) We have also used the *gedit* text editor.

(i) You can use any text editor of your choice, for writing the Python scripts.

Note: Please use "python3/ipython3" command wherever the python version is not mentioned explicitly

4.2 Open Python console in Windows

(a) To practise these tutorials on Windows OS, please follow these instructions.

(b) For the first 6 tutorials in "Basic Level - C2 Level" use the Start >> All Programs >> ipython >> pylab interactive shell.

(c) For "Intermediate Level - C3 Level" tutorials use the Start >> All Programs >> ipython interactive shell.

(d) For "Advanced Level - C4 Level" tutorials use
Start >> All Programs >> ipython
>> scipy   interactive shell.

Note: Please use "python3/ipython3"
command wherever the python version is
not mentioned explicitly

4.3   Common instructions to practice

(a) Create folder on "Desktop" with your
"Name-RollNo-Component"
(Eg.   "vin-04-Python").
(b) Give a unique name to the files you save,
so as to recognize it next time.
(Eg.   "Practice-1-vin").
(c) Remember to save all your work in your
folder.
(d) This will ensure that your files dont get
over-written by someone else.
(e) Save your work from time to time, instead
of saving it at the end of the task.

4.4   Common instructions for Assignments

(a) Attempt the Assignments as instructed
in the tutorial.
(b) Save your work in your folder.

4.5   Common instructions to use Code Files

(a) Click on the link "Code files" located
below the player and save it in your folder.

(b) Extract the downloaded zip file.
(c) You will see all the code/source files used
in the particular tutorial.
(d) Use these files as per the instructions
given in the particular tutorial.

6. Play-pause-practise the whole tutorial.

7. Once the tutorial is complete, choose the next
tutorial from the playlist which is located on
the right side or below the player.

8. Follow all the above instructions, till you complete all the tutorials in the series.

5   Additional instructions for Tutorials.

1. Tutorial - 3 "Embellishing a plot" at
9:31: The xlim() function limits in Python
3.4.3 returns values assigned to x by linspace().
Python 3.6.8 returns slightly broader values.

2. Tutorial - 5 "Multiple Plots" at 4:55:
The legend in a plot goes to the best position
in 3.6.8, but goes to the top-right corner in
3.4.3 by default.

3. Tutorial - 13 "Getting started with
for": Python2.7 interpreter used. But the
examples work in Python 3.6.X.

4. Tutorial - 14 "Getting started with
string": Python 3.4.3 is mentioned but the
examples work in Python 3.6.X.

Certificate of Participation

Spoken Tutorial
Project at
IIT Bombay

This is to certify that **AFEERA THAMKEEN** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

Prof. Kannan M Moudgalya
IIT Bombay

Spoken Tutorial
Project at
IIT Bombay

Certificate of Participation

This is to certify that **AKKENAPALLY SHIVAKUMAR** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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Certificate of Participation

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This is to certify that **AMIREDDY RADHIKA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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IIT Bombay

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Certificate of Participation

This is to certify that **ANNAPURI LIKHITHA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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Certificate of Participation

This is to certify that **ANNEPAKA ROHINI** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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Certificate of Participation

This is to certify that **SOUJANYA AROORI** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **ATTHI SAIPAVAN** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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Certificate of Participation

This is to certify that **AYESHA TABASSUM** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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Certificate of Participation

This is to certify that **BACHALI SAIVIGNAN** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **BATHULA NAGAJYOTHI** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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Certificate of Participation

This is to certify that **BATTU MOUNIKA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **REVATHI BODDU** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **BOYAPARTHY BHAGATH** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **SRAVANI BUDIDA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **CHILUKURI RUPA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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Certificate of Participation

This is to certify that **CHITHRAM SHOBHANBABU** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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Certificate of Participation

This is to certify that **CHOLLETI SAIDINESH** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **DAMARACHARLA KEERTHANA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **GANDIKOTA MANISHA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **GANDURI BHAVANI** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **GUNDEBOINA JYOTHI** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **GURIJALA SAI VIVEK** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **GURRAM BRAHMAM** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **GUTHA PRANAYA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **ITHABOINA DINESH** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **JANGILI SHIVAM** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **JUVERIYA TASKEEN** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **PRAVEEN KUMAR KAIRAMKONDA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **KAMBAMPATI UDAYKIRAN** participated in the **Python 3.4.3**

training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in

January 2021 semester, with course material provided by the Spoken Tutorial Project,

IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **KAMBHAMPATI ANITHA ANITHA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **KANDHULA SRIKANTH** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **KOMPALLI MADHU KUMAR** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **KOTTE RAMESH** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **MD ZAFAR AHMED** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **MOHAMMED AZHARUDDIN** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **NARAGONI ARAVIND** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **NARAGONI PRASANNA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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This is to certify that **ASHWINI NERATI** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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This is to certify that **POGULA RADHA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **PUNNA VENNELA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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Certificate of Participation

This is to certify that **PUTTA GANESH** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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This is to certify that **DEEPIKA RAGAM** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **RUDRA ADITHYA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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This is to certify that **SILIVERU LAVANYA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **VALLAMLA KAVITHA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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This is to certify that **VALLAPU SAIDULU** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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This is to certify that **VALLAPU TEJASREE** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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This is to certify that **VORUVALA ANUSHA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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This is to certify that **RAVIRALA CHANDU** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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This is to certify that **MANOJ DUBBAKA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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This is to certify that **ANIL KUMAR** participated in the **Python 3.4.3** training organized at

Nagarjuna Government College (Autonomous), Nalgonda in **January 2021**

semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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IIT Bombay

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This is to certify that **BOJJA VAMSHI** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021**

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This is to certify that **CHAKRAPANI MADGULA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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This is to certify that **KORIMI KALYANBABU** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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Certificate of Participation

This is to certify that **KOYAGURA SHIVA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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This is to certify that **MAREPALLY RAJESH** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

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Certificate of Participation

This is to certify that **MODALA THIRUMALESH** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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This is to certify that **NALLABOTHU PAVAN KUMAR** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

Prof. Kannan M Moudgalya
IIT Bombay

Certificate of Participation

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Project at
IIT Bombay

This is to certify that **SANDHYA AITHAGONI** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

Prof. Kannan M Moudgalya
IIT Bombay

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IIT Bombay

Certificate of Participation

This is to certify that **PRASAD AMBALLA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

Prof. Kannan M Moudgalya
IIT Bombay

Certificate of Participation

This is to certify that **BATTU MOUNIKA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

Prof. Kannan M Moudgalya
IIT Bombay

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IIT Bombay

Certificate of Participation

This is to certify that **DESHABOINA UDAY KUMAR** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

Prof. Kannan M Moudgalya
IIT Bombay

Certificate of Participation

This is to certify that **NAVEEN NAVEEN** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

Prof. Kannan M Moudgalya
IIT Bombay

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Certificate of Participation

This is to certify that **MOHAMMED RAHAMATH** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

Prof. Kannan M Moudgalya
IIT Bombay

Certificate of Participation

This is to certify that **A.NAVEEN REDDY** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

Prof. Kannan M Moudgalya
IIT Bombay

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Certificate of Participation

This is to certify that **ALUKA SHASHANK REDDY** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

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Certificate of Participation

This is to certify that **GANDIKOTA MANISHA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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This is to certify that **MANNE RUCHITHA MANNE** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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Certificate of Participation

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This is to certify that **NOWSHEEN NOWSHEEN** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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This is to certify that **RAYANABOINA MAHENDHER** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

Certificate of Participation

This is to certify that **SILIVERU LAVANYA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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This is to certify that **DASARI PAVANRAJ** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

Certificate of Participation

This is to certify that **SANDEEP JADIGA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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Certificate of Participation

This is to certify that **MADANABOINA MAHESH** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

Certificate of Participation

This is to certify that **BHAVANI NETHI** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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Certificate of Participation

This is to certify that **VAMPU NARESH** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

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Certificate of Participation

This is to certify that **UPENDER VUTKURI** participated in the **Python 3.4.3** training
organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January
2021** semester, with course material provided by the Spoken Tutorial Project, IIT
Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

Certificate of Participation

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This is to certify that **KARANTOTHU PAVAN** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

Certificate of Participation

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IIT Bombay

This is to certify that **VEMKATESH CHALLA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

Certificate of Participation

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This is to certify that **HARSHAVARDHAN ANANTHU** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

Prof. Kannan M Moudgalya
IIT Bombay

Certificate of Participation

This is to certify that **BOILLA MALATHI DEVI** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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Certificate of Participation

This is to certify that **MAHESH BUDIGE** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

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This is to certify that **BUSHIPAKA VAMSHI** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

Certificate of Participation

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This is to certify that **DHARANI DAMERA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

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IIT Bombay

Certificate of Participation

This is to certify that **MOUNIKA DHARAVATH** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

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This is to certify that **GANTA SANTHOSHI** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

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This is to certify that **GARIGANTI SATHWIKA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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This is to certify that **GUNDEBOINA SAI KUMAR** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

Prof. Kannan M Moudgalya
IIT Bombay

Certificate of Participation

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Project at
IIT Bombay

This is to certify that **JANAPATI NAVYA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

Prof. Kannan M Moudgalya
IIT Bombay

Certificate of Participation

Spoken Tutorial Project at IIT Bombay

This is to certify that **KADARI LAKSHMI** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

Prof. Kannan M Moudgalya
IIT Bombay

Certificate of Participation

This is to certify that **SHIVAPRASAD KADARI** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

Certificate of Participation

Spoken Tutorial Project at IIT Bombay

This is to certify that **KOLANU ABHILASH** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

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Project at
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Certificate of Participation

This is to certify that **LAVURI ANIL** participated in the **Python 3.4.3** training organized at

Nagarjuna Government College (Autonomous), Nalgonda in **January 2021**

semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

Prof. Kannan M Moudgalya
IIT Bombay

Certificate of Participation

This is to certify that **MEGAVATH SONIYA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

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This is to certify that **MODALA SRINU** participated in the **Python 3.4.3** training organized

at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021**

semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

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This is to certify that **MUCHAPOTHULA PAVAN KUMAR** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

Certificate of Participation

This is to certify that **NIMMALA SWATHI SWATHI** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

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Certificate of Participation

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This is to certify that **ORSU MAHESH** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

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Project at
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This is to certify that **PULI MADHU** participated in the **Python 3.4.3** training organized at

Nagarjuna Government College (Autonomous), Nalgonda in **January 2021**

semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

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Project at
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This is to certify that **PUTTAPAKA SUSMITHA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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Project at
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This is to certify that **RAMAVATH NANDULAL** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

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This is to certify that **SANDEEP RAVULAPENTA** participated in the **Python 3.4.3**

training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in

January 2021 semester, with course material provided by the Spoken Tutorial Project,

IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

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This is to certify that **SANKATI RAJESHWARI** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

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This is to certify that **THIRAMDAS NAVEEN KUMAR** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

Prof. Kannan M Moudgalya
IIT Bombay

Certificate of Participation

This is to certify that **THIRUMALA PAVAN** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

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Certificate of Participation

Spoken Tutorial Project at IIT Bombay

This is to certify that **MADHU BABU VALKI** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

Prof. Kannan M Moudgalya
IIT Bombay

Certificate of Participation

This is to certify that **SREELATHA VEMULA** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

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IIT Bombay

Certificate of Participation

This is to certify that **PRAVEEN KUMAR** participated in the **Python 3.4.3** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Python 3.4.3** were covered in the training.

March 2nd 2021

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IIT Bombay

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