

**Certification Course in Electronics and
Communication Engineering with
Specialization in
“Fundamentals of Python Programming”
Held On
August 2019 to October 2019**



**Department of Electronics and Communication
Engineering,
KG Reddy College of Engineering & Technology**
Chilkur(Village), Moinabad(Mandal), Hyderabad RR Dist-501504

S/c pusha
Coordinator


Principal
Principal
KG Reddy College of Engineering & Technology
Chilkur (V), Moinabad (M),
R.R.Dist., Telangana



SUMMARY REPORT ON FUNDAMENTALS OF PYTHON PROGRAMMING

About Course

The certification course on Fundamentals of Python Programming is concluded its work successfully by department of Electronics and Communication Engineering (ECE) in KG ready college of Engineering and technology (KGR CET), Hyderabad, Telangana. This course is a forum to bring together students to discuss innovative ideas and diverse topics of this course on next generation of information technologies. Department has taken a new step for students to improve the quality of study through this course and become most wide scale , extensive, spectacular event in computer science engineering. The six days course was held in two locations of the department (a) Department E-learning room for theory class and (b) Department laboratory for practical class.

Python, like many other programming languages, has different versions. And sometimes when we create software, the software needs to run on a specific version of the language because our software expects a certain behaviour that is present in older versions but changes in newer versions. Likewise, we may need to use specific versions of the libraries for similar reasons. But Python 2.7 and even a more modern Flask app that runs on version 0.12 and Python 3.4.

Exploring data sets and developing deep understanding about the data is one of the most important skills every data scientist should possess. People estimate that time spent on these activities can go as high as the project time in some cases. Python has been gaining a lot of ground as preferred tool for data scientists lately, and for the right reasons. Ease of learning, powerful libraries with integration of C/C++, production readiness and integration with web stack are some of the main reasons for this move lately.

In this course, it will use NumPy, Matplotlib, Seaborn and Pandas to perform data exploration. These are powerful libraries to perform data exploration in Python. The idea is to create a ready reference for some of the regular operations required frequently. It can iPython Notebook to perform data exploration, and would recommend the same for its natural fit for exploratory analysis.

This course is absolutely practical oriented course which is helped to student for making their carrier through python in industry. The students of 2nd year 2nd semester have been benefited in many ways from this course. More than 100 students have joined in this course as their own interest and completed this course. The trainer taught to students very nice with real time example and sharing his knowledge to develop technical skill in industry.

Scope of the Course

The role of Python environment is to be emphasized in computer science and engineering, to enhance and motivate the new technology for wide range of applications. Python can pretty much do the same tasks as R: data wrangling, engineering, feature selection web scrapping, app and so on. Python is a tool to deploy and implement machine learning at a large-scale. Python codes are easier to maintain and more robust than R. Years ago; Python didn't have many data analysis and machine learning libraries. Recently, Python is catching up and provides cutting-edge API for machine learning or Artificial Intelligence. Most of the data science job can be done with five Python libraries: Numpy, Pandas, Scipy, Scikit-learn



and Seaborn. Python, on the other hand, makes replicability and accessibility easier than R. In fact, if you need to use the results of your analysis in an application or website, Python is the best choice.

The bright future for Python learning students:

1. Python has been voted as most favorite programming language beating C, C++ and java programming. Python programming is open source programming language and used to develop almost every kind of application.
2. Python is being used worldwide as a wide range of application development and system development programming language. Big brands and search engine giants are using python programming to make their task easier. Google, Yahoo, Quora, Facebook are using python programming to solve their complex programming problems.
3. Python programming is versatile, robust and comprehensive. Python is high-level programming language and easy to learn as well as it reduces the coding effort compare to other programming languages.
4. Python programming is used to write test scripts and tests mobile devices performance. It is one of the most versatile languages these days. Python programmers are most demandable in the IT industry these days and get paid more compared to another language programmer.

Python, though a newer entrant in the fray, has gained importance than other programming languages and holds a lot of promise for developers. Apart from being an open source programming language, it is also one of the most versatile programming languages. Developers use it extensively for application development and system development programming. Also, reduced coding effort and better test performance ensure better programming. Hence, python developers are very much in demand.

An important feature of this course is very useful in service carrier. The selected topics of this course helped to make project work. This permits also a rapid and broad dissemination of project and research work.

Objectives of the course

The objective of the course is to bring together experts from academic institute and training institute for sharing of knowledge, expertise and experience in emerging trends related to the computer science and engineering topics.

- To understand why Python is a useful scripting language for developers.
- To learn how to design and program Python applications.
- To learn how to use lists, tuples, and dictionaries in Python programs.
- To learn how to identify Python object types.
- To learn how to use indexing and slicing to access data in Python programs.
- To define the structure and components of a Python program.
- To learn how to write loops and decision statements in Python.
- To learn how to write functions and pass arguments in Python.
- To learn how to build and package Python modules for reusability.
- To learn how to read and write files in Python.
- To learn how to design object-oriented programs with Python classes.
- To learn how to use class inheritance in Python for reusability.
- To learn how to use exception handling in Python applications for error handling.



- Learn one of the most popular tool for data analytics
- Learn Python Programming basics and essentials, along with machine learning for conducting data analytics in Python
- Hybrid Learning with Guided practice & Weekly Practice quiz questions on the app along with the classroom Sessions
- Hands-on application of the Tools
- App based learning. Connect with Faculty on the App apart from the regular classroom training.
- Data modelling using Machine learning Techniques.

OUTCOMES

This course was not only shared the knowledge among students but also tied up with expert for upcoming course. It can use different python environment to help on manage workloads for data science, scientific computing, analytics, and large-scale data processing. It can check out on data analysis and machine learning to learn more about various tools available to use and projects that it can do.

1. Describe the Numbers, Math functions, Strings, List, Tuples and Dictionaries in Python
2. Express different Decision Making statements and Functions
3. Interpret Object oriented programming in Python
4. Understand and summarize different File handling operations
5. Explain how to design GUI Applications in Python and evaluate different database operations
6. Design and develop Client Server network applications using Python

Summary of Participants

II Year

- (a) Number of students attended this course: 105
- (b) Number of students got certificate: 80

III Year

- (a) Number of students attended this course: 56
- (b) Number of students got certificate: 22

**Month of August****Inauguration of Certification course**

The first day of Certification course started with welcoming and opening ceremony at the KGR CET conference Hall. The following dignitaries were representatives of the Certification course who were addressed and pointed out the importance on course with short welcoming speeches.

Welcome addressed by Dr. Pravin Kshirsagar, HOD, ECE, KGR CET

About the Certification course by Principal Dr. R. S. Jahagirdar, KGR CET.

Importance of this course by expert trainer Arpit Yadav, KGR CET, Hyderabad

Interaction with 2nd year and 3rd Year 1st semester students

Python, like many other programming languages, has different versions. And sometimes when we create software, the software needs to run on a specific version of the language because our software expects a certain behaviour that is present in older versions but changes in newer versions. Likewise, we may need to use specific versions of the libraries for similar reasons. But we may have many projects on our computer, perhaps a Flask app that runs on version 0.11 (the first one you made!) and Python 2.7 and even a more modern Flask app that runs on version 0.12 and Python 3.4. If I try running both at once on Python 2 and Python 3, one of them may break because some of the code that runs on Python 2 doesn't run on Python 3 or vice versa. This is where virtual environments become useful.

✓ Introduction

- History
- Features
- Setting up path
- Working with Python
- Basic Syntax
- Variable and Data Types
- Operator

✓ Conditional Statements

- If
- If- else

- Nested if-else

✓ Looping

- For
- While
- Nested loops

✓ Control Statements

- Break
- Continue
- Pass

✓ String Manipulation

- Accessing Strings



- Basic Operations
- String slices
- Function and Methods

- Operations
- Working with lists
- Function and Methods

✓ Lists

- Introduction
- Accessing list



Training Phase



Month of September

If you didn't want to create the environment from the command line for those reasons or others, you could create a YAML (YAML Ain't Markup Language) file, which acts like a configuration file. Now that's great if you can easily create a YAML file and you know all of the packages you need. But what if you had an existing environment that you would like to duplicate? Perhaps you'd like to duplicate the application onto another server and want the exact same setup for consistency. If that's the case, then you can run the command below. As a note, for conda you need a YAML file; if you decide to use virtualenv, a txt file would also suffice for everything done here, but conda specifically needs a YAML file.

Anaconda Python Distribution: The Anaconda Python distribution is the easiest way to install Python and a collection of scientific packages and other tools (Sphinx, Jupyter Notebook, NumPy, matplotlib, to name a few) that we use in the Salish Sea MEOPAR project.

✓ Lists

- Introduction
- Accessing list
- Operations
- Working with lists
- Function and Methods

✓ Tuple

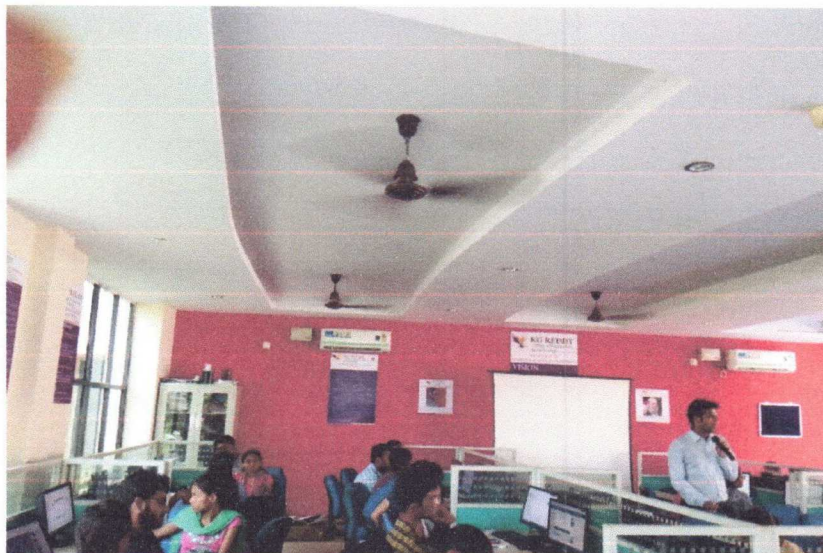
- Introduction
- Accessing tuples
- Operations
- Working
- Functions and Methods

✓ Dictionaries

- Introduction Accessing values in dictionaries
- Working with dictionaries
- Properties
- Functions

✓ Functions

- Defining a function
- Calling a function
- Types of functions
- Function Arguments
- Anonymous functions
- Global and local variables



Trainer clarifying Students doubts



Students are being shown Practical Examples

Month of October

In its default configuration, conda can install and manage the thousand packages at repo.continuum.io that are built, reviewed and maintained by Anaconda®. Conda can be combined with continuous integration systems such as Travis CI and AppVeyor to provide frequent, automated testing of your code.

The conda package and environment manager is included in all versions of Anaconda and Miniconda. Anaconda Repository. Conda is also included in Anaconda Enterprise, which provides on-site enterprise package and environment management for Python, R, Node.js,



Java and other application stacks. Conda is also available on PyPI, although that approach may not be as up to date.



Students Listening to the Final Conclusion

Covered Following topics

✓ **Functions**

- Defining a function
- Calling a function
- Types of functions
- Function Arguments
- Anonymous functions
- Global and local variables

✓ **Modules**

- Importing module
- Math module
- Random module
- Packages
- Composition

✓ **Input-Output**

- Printing on screen
- Reading data from keyboard
- Opening and closing file
- Reading and writing files
- Functions

Course Coordinator



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Ref No: KGRCET/CSE/2019-20/

Date: 25/07/2019

CIRCULAR

All the students of II and III Year I-semester B.Tech ECE are here by informed to enroll for the certification course on “**Fundamentals of Python Programming**”, which is offered by KG Reddy college of Engineering and Technology in this semester. The students are instructed to contact Dr. Hemanta Kumar Bhuyan for completing their registration before 31/07/2019.

I/c paha

HOD

HEAD
DEPT. OF ELECTRONICS & COMMUNICATIONS ENGINEERING
K.G. REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
CHILKUR (V), MOINABAD, R.R. DIST. 501 504

Principal

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KG Reddy College of Engineering & Technology
Chilkur (V), Moinabad (M).
R.R. Dist., Telangana.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Value Added course, Syllabus

KGRCET, Hyderabad

KGRVAC0507: Fundamentals of Python Programming

B.Tech.,ECE, II & III Year-I Sem

L-30

Course Objectives

- (a) Understand Python is a useful scripting language for developers.
- (b) Use lists, tuples, and dictionaries in Python programs.
- (c) Use indexing and slicing to access data in Python programs.
- (d) Define the structure and components of a Python program.
- (e) Design loops and decision statements in Python.
- (f) Define functions and pass arguments in Python.
- (g) Build package Python modules for reusability.
- (h) Design object-oriented programs with Python classes.
- (i) Use class inheritance in Python for reusability.
- (j) Use exception handling in Python applications for error handling.

Course Outcomes

At the end of the course, the student will be able to:

- (a) Use if-else statements and switch-case statements to write programs in Python to tackle any decision-making scenario
- (b) Create an entire Python project using objects and classes
- (c) Store and retrieve information using variables
- (d) Develop cost-effective robust applications using the latest Python trends and technologies
- (e) Proficient in Debugging and Version Control
- (f) Build systems entire web development process using various tools
- (g) Create and use APIs to write back-end code



MODULE-I : PYTHON SYLLABUS

✓ Introduction

- History
- Features
- Setting up path
- Working with Python
- Basic Syntax
- Variable and Data Types
- Operator

✓ Conditional Statements

- If
- If- else
- Nested if-else

✓ Looping

- For
- While
- Nested loops

✓ Control Statements

- Break
- Continue
- Pass

✓ String Manipulation

- Accessing Strings
- Basic Operations
- String slices
- Function and Methods

✓ Lists

- Introduction
- Accessing list
- Operations

- Working with lists
- Function and Methods

✓ Tuple

- Introduction
- Accessing tuples
- Operations
- Working
- Functions and Methods

✓ Dictionaries

- Introduction Accessing values in dictionaries
- Working with dictionaries
- Properties
- Functions

✓ Functions

- Defining a function
- Calling a function
- Types of functions
- Function Arguments
- Anonymous functions
- Global and local variables

✓ Modules

- Importing module
- Math module
- Random module
- Packages
- Composition

✓ Input-Output

- Printing on screen



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- Reading data from keyboard
- Opening and closing file
- Reading and writing files
- Functions

CAPSTONE PROJECT

Outcome of Module

Students will able to:

- Basics of Python
- Identify/characterize/define a problem
- Design a program to solve the problem
- Create executable code
- Read most Python code
- Write basic unit tests



KG REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

Chilkur (Vill) Moinabad (Mdl) R R Dist

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATION COURSES ON FUNDAMENTALS OF PYTHON PROGRAMMING

SCHEDULE

From August 2019 to October 2019

II A- Wednesday (2.30 pm to 4.30 pm)

II B- Thursday (10 am to 12 pm)

ECE III – Saturday (2.30 pm to 4.30 pm)

Syllabus Coverage with dates: ECE II A

| | | |
|---------------|---|------------|
| Week 1 | Introduction to Python | 08/08/2019 |
| Week 2 | Data Types | 22/08/2019 |
| Week 3 | List, Dictionary, Tuples,sets | 29/08/2019 |
| Week 4 | Data Operator | 05/09/2019 |
| Week 5 | Conditional Statements- If Else | 19/09/2019 |
| Week 6 | Control Statements- For Loop and While Loop | 03/10/2019 |
| Week 7 | Functions | 24/10/2019 |
| Week 8 | Objects Oriented Class | 31/10/2019 |

Syllabus Coverage with dates: ECE II Year B

| | | |
|---------------|---|------------|
| Week 1 | Introduction to Python | 07/08/2019 |
| Week 2 | Data Types | 14/08/2019 |
| Week 3 | List, Dictionary, Tuples,sets | 21/08/2019 |
| Week 4 | Data Operator | 28/08/2019 |
| Week 5 | Conditional Statements- If Else | 04/09/2019 |
| Week 6 | Control Statements- For Loop and While Loop | 18/09/2019 |
| Week 7 | Functions | 25/09/2019 |
| Week 8 | Objects Oriented Class | 24/10/2019 |
| Week 9 | Exceptions | 31/10/2019 |



Syllabus Coverage with dates:ECE III Year

| | | |
|---------------|--|-------------|
| Week 1 | Introduction and differences | 17/18/2019 |
| Week 2 | Operators, classes and objects of java. | 31/08/2019 |
| Week 3 | Input output methods of java and programs, hands on in lab | 07/09/2019 |
| Week 4 | Access specifiers and their use in java, examples programs | 21/09/2019 |
| Week 5 | Inheritance ,types, reusability examples program, polymorphism example | 26/10/2019 |
| Week 6 | Exception handling in java, different key words of java their functioning examples | 31/10/2019/ |
| Week 6 | Exception handling examples explanation | 31/10/2019 |
| Week 6 | Multithreading in java thread class extension. | 31/10/2019 |
| Week 6 | Different random examples | 31/10/2019 |
| Week 6 | Java applet life cycle applet examples | 31/10/2019 |

Resource Person Profile

Arpit Yadav

Mr Arpit Deepak Yadav has done B.E (Electronics & Telecommunication) and M.Tech (VLSI), he is having 8 Years of Experience in VLSI Research. He worked in IT industry but due to interest in Research Field he is currently working as Assistant Professor and mentoring many technocrats. He is Associated with PM Yuva Yojana

Core Skills:

Tools: Python, VHDL, VLSI Design, Keras, TensorFlow, OpenCV, NLTK.

Skills: Data Science Using Python, Machine Learning Using Python, Data Analysis, Data Visualization, Deep Learning, Neural Network, Natural Language Processing (NLP).

He has done certifications in the domain of python, Data Science, Machine Learning, Deep Learning and Artificial Intelligence.

- | | |
|--|---------------------------------|
| • APTITUDE DEVELOPMENT | • ESSAY WRITING |
| • GROUP DISCUSSION | • EMAIL WRITING |
| • PERSONAL INTERVIEW / TECHNICAL INTERVIEW | • GROOMING |
| • EXTEMPORE / ELOCUTION / DEBATES | • ACTIVITIES FOR TEAM BUILDING, |
| • COUNSELING | • LEADERSHIP QUALITY. |
| • FREQUENT MOTIVATIONAL TALK | • CHALLENGING / LOGICAL |
| • SITUATIONAL CONVERSATION | ACTIVITIES ON |
| • RESUME WRITING | • FIELD |
| • VIDEO RESUME | • EXPERT TALKS |
| • COVER LETTER | • ENTREPRENEUR DEVELOPMENT |

He is Giving Training to Competitive Examination/ CRT (Campus Recruitment Training). He is given training from last 6 Years. He is Lifetime member of IETE (Institution of Electronics and Telecommunication Engineers, New Delhi). He is CO-OPT Member of IETE, Nagpur Body. He won many Prizes in Group Discussion/Debate Competition during his academic.

He has conducted Many CRT (Campus Recruitment Training) Programmes, Motivational Workshop, and Research Workshop for the development of Students. Out of passion he is having key interest in smart Career Counseling for under graduates for Skilled Development. He is involved in Skills development of students by Smart Career Counseling which will help candidates for overall personality Development.



Fundamentals of python programming
CERTIFICATION COURSE ATTENDANCE - SECTION -II A

| Roll No | Student Name | Year/ Sem | 08/08/ 2019 | 22/08/ 2019 | 29/08/ 2019 | 05/09/ 2019 | 19/09/ 2019 | 3/10/ 2019 | 24/1 0/19 | 31/1 0/19 |
|-------------|-------------------------|-----------|-------------|-------------|-------------|-------------|-------------|------------|-----------|-----------|
| 18QM1 A0401 | A SAI VAMSI REDDY | II_I_A | A | P | P | | | | | |
| 18QM1 A0402 | AADIMULAM SAINATH | II_I_A | P | P | P | P | P | P | P | P |
| 18QM1 A0403 | ADDEPALLI ANNAPURNA | II_I_A | P | P | P | P | P | P | P | P |
| 18QM1 A0404 | ADIDHODLA NAGA LAKSHMI | II_I_A | P | P | P | P | | | P | |
| 18QM1 A0405 | ALURI SINDHURA | II_I_A | P | P | A | | P | | | P |
| 18QM1 A0406 | AMBATI BHARGAV | II_I_A | P | P | P | P | P | | | P |
| 18QM1 A0407 | ANDRE SUSHMITHA SANDHYA | II_I_A | P | P | P | | | | P | |
| 18QM1 A0408 | ANGAJALA RAHUL | II_I_A | P | P | P | P | P | | P | P |
| 18QM1 A0409 | ANUGU NITHIN REDDY | II_I_A | P | P | P | P | P | | | P |
| 18QM1 A0410 | AVUSULA SADWIK CHARY | II_I_A | P | P | P | P | P | P | P | P |
| 18QM1 A0411 | BALGURI RAHUL | II_I_A | A | A | P | | P | | | P |
| 18QM1 A0412 | BANDI HARSHITHA PRIYA | II_I_A | P | P | P | P | P | | | P |
| 18QM1 A0413 | BARLA PRAVEENKUMAR | II_I_A | P | P | P | P | P | | P | P |
| 18QM1 A0414 | BEERLA BHANU PRASAD | II_I_A | P | P | P | P | | P | P | |
| 18QM1 A0415 | BOBBILI ARUN KUMAR | II_I_A | P | P | P | P | | P | P | |
| 18QM1 A0416 | BOBBILI RACHANA | II_I_A | P | P | P | P | P | | P | P |
| 18QM1 A0417 | BRUNDAVAN SAHOO | II_I_A | P | A | P | P | P | P | P | P |
| 18QM1 A0418 | BUDHURU MAHESH SAGAR | II_I_A | A | P | P | P | P | | | P |
| 18QM1 A0419 | BUDIDA PRASHANTH | II_I_A | P | P | P | P | P | | P | P |
| 18QM1 A0420 | C BHARATH | II_I_A | P | A | P | | P | | | P |
| 18QM1 A0421 | CHALLAKONDA SAI NITIN | II_I_A | P | P | P | | P | P | | P |
| 18QM1 | CHARLAPALLY | II_I_A | P | P | P | | P | P | P | P |

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| 18QM1 A0424 | DUDAM THULASI PRIYA | II_I_A | P | P | P | P | | P | P | |
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| 18QM1 A0437 | JANGAM SANGEETHA | II_I_A | P | P | P | P | P | | P | P |
| 18QM1 A0438 | JOSHI RAGHAVENDRA | II_I_A | P | P | P | P | | P | P | |
| 18QM1 A0439 | K CHARAN TEJA | II_I_A | P | P | P | | P | | | P |
| 18QM1 A0440 | K CHIRUCHAITANYA KUMAR | II_I_A | P | P | P | P | P | | P | P |
| 18QM1 A0441 | K VAMSHI KRISHNA | II_I_A | A | A | A | | | | | |
| 18QM1 A0442 | KADUMURI SRINITHYA | II_I_A | P | P | P | | P | P | P | P |
| 18QM1 A0443 | KAKUNURI SIVA KRISHNA | II_I_A | P | P | P | P | | | P | |
| 18QM1 A0444 | KANJARLA HEMANTH KUMAR | II_I_A | P | A | P | P | P | P | P | P |
| 18QM1 A0445 | KANUKUNTA DINESH | II_I_A | A | A | P | | P | | | P |
| 18QM1 | KURVA SAI | II_I_A | P | P | P | P | P | P | P | P |

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| 18QM1 A0458 | MANCHALA RAJU | II_I_A | A | P | P | P | | P | P | |


Course Instructor
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Attendance
Fundamentals of Python Programming
Certification course SECTION – II B

| | | | 07/08 /2019 | 14/08 /2019 | 21/08 /2019 | 28/08 /2019 | 04/09 /2019 | 18/09 /2019 | 25/09 /2019 | 24/10 /2019 | 31/10 /2019 |
|----------------|-----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 18QM1 A0459 | MANDALOUJ SAI TEJA | II_ I_ B | A | | | | | | | | |
| 18QM1 A0460 | MERUGU PAVAN | II_ I_ B | A | | | | | | | | |
| 18QM1 A0461 | MIDIDODDY MANISH | II_ I_ B | A | P | P | | P | | | P | P |
| 18QM1 A0462 | MOHAMMED ASNA KOUSAR | II_ I_ B | P | | P | P | P | | P | | P |
| 18QM1 A0463 | MOHAMMED INZAMAM UDDIN | II_ I_ B | A | | | | | | | | |
| 18QM1 A0464 | MORA MEGHANA | II_ I_ B | P | P | P | P | P | P | P | P | P |
| 18QM1 A0465 | MORSE SATHVIKA REDDY | II_ I_ B | P | | P | | P | P | P | P | P |
| 18QM1 A0466 | MUDHAVATH PAVAN NAYAK | II_ I_ B | | | P | P | P | | | | P |
| 18QM1 A0467 | MULLAGURI ABHISHEK | II_ I_ B | P | P | P | | P | P | P | P | P |
| 18QM1 A0468 | MULLAGURI DILEEP | II_ I_ B | P | P | | | P | P | P | | P |
| 18QM1 A0469 | MUNAGANURI VISHNUVARDHAN | II_ I_ B | P | P | P | P | P | P | P | P | P |
| 18QM1 A0470 | MUSHTI NARESH KUMAR | II_ I_ B | P | P | | | P | P | P | P | P |
| 18QM1 A0471 | N LAHARI | II_ I_ B | P | P | P | P | P | P | P | P | P |
| 18QM1 A0472 | N SAIKUMAR | II_ I_ B | P | | | P | P | P | P | | P |

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|----------------|-----------------------------|----------------|---|---|---|---|---|---|---|---|---|
| 18QM1 A0473 | NAKKALAPALLY NARENDER | II_ I_ B | P | | | P | P | P | P | | P |
| 18QM1 A0474 | NEELAM SHIVA GANESH | II_ I_ B | P | P | P | | | P | P | | |
| 18QM1 A0475 | NELLURI ARAVIND | II_ I_ B | P | P | P | | P | P | P | P | P |
| 18QM1 A0476 | P SAI YASHWANTH REDDY | II_ I_ B | P | | | P | P | | | | P |
| 18QM1 A0477 | PANAGANTI SAI DHANUSH | II_ I_ B | P | | | | P | P | P | P | P |
| 18QM1 A0478 | PATLOLLA MOUNIKA REDDY | II_ I_ B | P | | P | | | | | | |
| 18QM1 A0479 | PAVULURI HANUSHA | II_ I_ B | P | | | | P | P | P | | P |
| 18QM1 A0480 | PILLE AARYA YADAV | II_ I_ B | | | P | | | | | | |
| 18QM1 A0481 | PITTU BHAVANA REDDY | II_ I_ B | P | P | P | | P | | P | P | P |
| 18QM1 A0482 | POLAKI MANOJ KUMAR | II_ I_ B | P | P | P | | P | | | P | P |
| 18QM1 A0483 | POTHUGUNTA KARTHIK KUMAR | II_ I_ B | P | | | | | P | P | P | |
| 18QM1 A0484 | PULASANI RAJESH REDDY | II_ I_ B | P | | P | P | | P | P | P | |
| 18QM1 A0485 | R SHIVA KRISHNA | II_ I_ B | P | P | | P | | | P | | |
| 18QM1 A0486 | RAGIPANI SNEHA | II_ I_ B | P | P | | | P | P | P | P | P |
| 18QM1 A0487 | RAJESWARI P S V R | II_ I_ B | P | P | | | P | P | P | P | P |
| 18QM1 A0488 | RAMISETTI YASHWANTH | II_ I_ B | P | | | P | P | P | P | P | P |
| 18QM1 A0489 | RATHNAM SUSHMA | II_ I_ B | P | P | P | | P | P | | | P |

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|----------------|----------------------------------|----------------|---|---|---|---|---|---|---|---|---|
| | | I_ B | | | | | | | | | |
| 18QM1 A0490 | REBBA SHASHANK KUMAR | II_ I_ B | | | | P | | | | | |
| 18QM1 A0491 | S NIKHIL TEJA | II_ I_ B | P | P | P | | | P | | P | |
| 18QM1 A0492 | SAIDU PALLY SAI ARUN | II_ I_ B | P | | P | | P | P | | | P |
| 18QM1 A0493 | SARIKONDA MYTHRI | II_ I_ B | P | P | P | P | P | P | P | P | P |
| 18QM1 A0494 | Shiv Shanker Singh | II_ I_ B | | P | | P | | P | P | P | |
| 18QM1 A0495 | SOLETI SOWMYA | II_ I_ B | P | | | | P | P | P | P | P |
| 18QM1 A0496 | SYED SARFARAZ AHMED | II_ I_ B | P | P | P | P | | P | P | P | |
| 18QM1 A0497 | SYEDA SHAZEEDA SULTHANA | II_ I_ B | P | | | | P | | | P | P |
| 18QM1 A0498 | T MADHAN | II_ I_ B | | | P | | | | | P | |
| 18QM1 A0499 | T MAHENDAR REDDY | II_ I_ B | P | P | P | P | | P | P | | |
| 18QM1 A04A0 | THODETI SAI KUMAR | II_ I_ B | | | P | | | P | | | |
| 18QM1 A04A1 | VADAKATTU RAKESH | II_ I_ B | | | P | | P | P | P | P | P |
| 18QM1 A04A2 | VEGINA PRANATHI | II_ I_ B | P | P | P | P | | P | | P | |
| 18QM1 A04A3 | Y JAIPAL REDDY | II_ I_ B | P | | | | P | | | | P |
| 18QM1 A04A4 | YADAVALLY SHANMUKHA HASITA | II_ I_ B | | | | P | | | | | |
| 18QM1 A04A5 | B SAI VENKATA KRISHNA | II_ I_ B | P | | | | P | P | P | P | P |

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|---------|--|----------------|---|---|---|---|---|---|---|---|---|
| | | B | | | | | | | | | |
| | | II_ I_ B | | | | | | | | | |
| 19-401 | | | P | | P | P | P | P | P | P | P |
| 19-402- | | II_ I_ B | P | P | P | P | | P | | P | |
| 19-403 | | II_ I_ B | P | P | P | | P | P | | P | P |
| 19-404 | | II_ I_ B | P | P | | P | P | | P | | P |
| 19-405 | | II_ I_ B | P | | P | P | P | P | P | P | P |
| 19-406 | | II_ I_ B | P | P | P | P | P | P | | P | P |
| 19-407 | | II_ I_ B | | | | | | | P | | |
| 19-408 | | II_ I_ B | P | | | P | | | P | | |
| 19-409 | | II_ I_ B | | | | P | | | | | |
| 19-410 | | II_ I_ B | P | P | | P | P | P | P | P | P |
| 19-411 | | II_ I_ B | P | P | P | P | P | P | P | P | P |
| 19-412 | | II_ I_ B | P | P | P | P | P | P | P | P | P |



Course Instructor

Document Softcopy Location:

Attendance
Fundamentals of Python Programming
CERTIFICATION COURSE SECTION -III

| S.No | ROLL NO | NAME | 10-Aug | 17-Aug | 31-Aug | 07-Sep | 21-Sep | 28-Sep | 26-Oct | 02-nov | 09-Nov | 16-Nov |
|------|------------|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 17QM1A0501 | A Bhanu Priya | p | | p | p | | p | p | p | p | p |
| 2 | 17QM1A0502 | Addisherla Pooja Shreni | | | p | p | | | | p | p | |
| 3 | 17QM1A0503 | Adusumilli Naga Sai Poojitha | | p | p | p | | | p | p | p | |
| 4 | 17QM1A0504 | Ajit Kulkarni | | p | | | | p | p | | | |
| 5 | 17QM1A0505 | Akkaladevi Sandeep | | p | | | | | p | | | |
| 6 | 17QM1A0506 | Amrabad Shiva Bharghav | | | | p | | p | | | p | |
| 7 | 17QM1A0507 | Arelly Sri Chaithanya Kumar | | | | p | | | p | | p | |
| 8 | 17QM1A0508 | Avula Neha | | p | p | p | | p | | p | p | |
| 9 | 17QM1A0509 | Baddam Srujan Reddy | p | | | p | | p | p | | p | p |
| 10 | 17QM1A0510 | Balreddy Madhuri | | p | | p | | | p | | p | |
| 11 | 17QM1A0511 | Banngar Nabi | p | p | p | p | | | p | p | p | p |
| 12 | 17QM1A0512 | Bathula Pavan Kumar Goud | | | | | | | p | | | |
| 13 | 17QM1A0513 | Bellamgari Pranavi | | p | p | p | | | p | p | p | |
| 14 | 17QM1A0514 | Biradar Jaish | | p | | p | | p | p | | p | |
| 15 | 17QM1A0515 | Bokka Sai Kiran Reddy | | | | | | p | p | | | |
| 16 | 17QM1A0516 | Chanda Varun Raj | | p | | p | | | p | | p | |

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|----|------------|---|---|---|---|---|---|---|---|---|---|---|
| 17 | 17QM1A0517 | Chelimela Sanjay | p | | | | | | p | | | p |
| 18 | 17QM1A0518 | Chintal Vijay Kumar | | | p | p | | p | p | p | p | |
| 19 | 17QM1A0519 | Chirag Keerthi Sree | | p | | p | p | | p | | p | |
| 20 | 17QM1A0520 | Chirumamilla Raja Karthik | | | | p | | p | p | | p | |
| 21 | 17QM1A0521 | Chityala Maheshwari | p | p | p | p | | p | p | p | p | p |
| 22 | 17QM1A0522 | D Keerthi | | p | | p | | p | p | | p | |
| 23 | 17QM1A0523 | D Vivek | | p | p | | | | p | p | | |
| 24 | 17QM1A0525 | Danturi Harshitha | | p | | | | p | p | | | |
| 25 | 17QM1A0526 | Duppekar Vyshnavi | p | p | p | p | | | p | p | p | p |
| 26 | 17QM1A0527 | Dyavarashetty Goutham | | p | | p | | | p | | p | |
| 27 | 17QM1A0528 | G S Vaishnavi | | p | p | p | | p | p | p | p | |
| 28 | 17QM1A0529 | G Sai Pradhiksha | | p | | p | p | | p | | p | |
| 29 | 17QM1A0530 | Gaddam Shirisha | p | p | p | p | | p | p | p | p | p |
| 30 | 17QM1A0532 | Sudugu Supriya | | p | p | p | | | p | p | p | |
| 31 | 17QM1A0533 | Gangala Yamini | p | p | | p | | p | p | | p | p |
| 32 | 17QM1A0534 | Gangavarapu Shanya Psalms | p | p | p | p | | p | p | p | p | p |
| 33 | 17QM1A0535 | Gedela Srujana | | | p | p | | p | p | p | p | |
| 34 | 17QM1A0536 | Gouravarapu Jayavenkatasai Gopi Aravind | | p | p | p | | | | p | p | |
| 35 | 17QM1A0537 | Gouse M D | | | p | p | | p | p | p | p | |
| 36 | 17QM1A0538 | Gudguntla Naveen Kumar | | | | p | | p | p | | p | |

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|----|------------|--------------------------------|---|---|---|---|---|---|---|---|---|---|
| 37 | 17QM1A0539 | Ghanapuram Shekar Reddy | | p | | p | | p | p | | p | |
| 38 | 17QM1A0540 | Gundaveni Sai Charan | | | p | p | | | p | p | p | |
| 39 | 17QM1A0541 | Gundu Jalaja Reddy | | | p | p | p | p | p | p | p | |
| 40 | 17QM1A0542 | Hrithik Singh | p | p | | p | | p | p | | p | p |
| 41 | 17QM1A0543 | Jilla Manideep | p | | p | | | | | p | | p |
| 42 | 17QM1A0544 | Kadari Roopesh | p | p | p | p | | | | p | p | p |
| 43 | 17QM1A0545 | Kadari Vasavi | | p | p | p | | | p | p | p | |
| 44 | 17QM1A0546 | Kalpaguri Vinay Kumar Gupta | p | p | p | p | | p | p | p | p | p |
| 45 | 17QM1A0547 | Kalwa Sai Charan | | p | p | p | | p | p | p | p | |
| 46 | 17QM1A0549 | Karsai Srisailam Yadav | | p | | p | | | p | | p | |
| 47 | 17QM1A0550 | Katipelly Praneeth Reddy | | p | p | p | | | p | p | p | |
| 48 | 17QM1A0551 | Kavya Dyasapally | p | | p | p | | p | | p | p | p |
| 49 | 17QM1A0553 | Kotha Abhinav Reddy | p | | p | p | | | p | p | p | p |
| 50 | 17QM1A0554 | Lalchand Gurjar | | p | p | p | | | p | p | p | |
| 51 | 17QM1A0555 | Laxmi Venkata Lahari N | | p | p | p | | | p | p | p | |


Course Instructor
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III B.TECH I SEM ECE - CERTIFICATION EXAMINATIONS, NOVEMBER-2019

FUNDAMENTALS OF PYTHON PROGRAMMING

OBJECTIVE EXAM

NAME V. Divya

HALL TICKET NO

17QMI A 0448

Answer all the questions. All questions carry equal marks. Time: 20min. 20 marks.

I choose correct alternative:

| | | | | | |
|------------------------------|--|----------------------|----------------------------|--|---------|
| 1. | Is Python case sensitive when dealing with identifiers? | | | | [a] ✓ |
| a) yes | b) no | c) machine dependent | d) none of the mentioned | | |
| 2. | What is the output when we execute list("hello")? | | | | [a] ✓ |
| a) ['h', 'e', 'l', 'l', 'o'] | b) ['hello'] | c) ['llo'] | d) ['olleh'] | | |
| 3. | Suppose list1 is [2445,133,12454,123], what is max(list1)? | | | | [c] ✓ |
| a) 2445 | b) 133 | c) 12454 | d) 123 | | |
| 4. | Suppose list1 is [1, 5, 9], what is sum(list1)? | | | | [c] ✓ |
| a) 1 | b) 9 | c) 15 | d) Error | | |
| 5. | Which of the following is a Python tuple? | | | | [d] x |
| a) [1, 2, 3] | b) (1, 2, 3) | c) {1, 2, 3} | d) {} | | |
| 6. | What will be the output of the following Python code? t=(1,2,4,3) t[1:3] | | | | [b] x |
| a) (1, 2) | b) (1, 2, 4) | c) (2, 4) | d) (2, 4, 3) | | |
| 7. | Suppose t = (1, 2, 4, 3), which of the following is incorrect? | | | | [b] x |
| a) print(t[3]) | b) t[3] = 45 | c) print(max(t)) | d) print(len(t)) | | |
| 8. | What will be the output of the following Python code? t = (1, 2) 2 * t | | | | [d] x |
| a) (1, 2, 1, 2) | b) [1, 2, 1, 2] | c) (1, 1, 2, 2) | d) [1, 1, 2, 2] | | |
| 9. | Which is the correct operator for power(xy)? | | | | [b] |
| a) X^y | b) X**y | c) X^^y | d) None of the mentioned ✓ | | |

| | | | | |
|-----|--|--------------------------------|--------------------------------|--------------------------------|
| 10. | Which one of these is floor (int) division? | | | [C] |
| | a) / | b) // | c) % | d) None of the mentioned |
| 11. | What is the answer to this expression, 22 % 3 is? | | | [a] |
| | a) 7 | b) 1 | c) 0 | d) 5 |
| 12. | Which of the following statements is used to create an empty set? | | | [d] |
| | a) {} | b) set() | c) [] | d) () |
| 13. | Which of the following statements create a dictionary? | | | [b] |
| | a) d = {} | b) d = {"john":40, "peter":45} | c) d = {40:"john", 45:"peter"} | d) All of the mentioned |
| 14. | What will be the output of the following Python code snippet? d = {"john":40, "peter":45} | | | [b] |
| | a) "john", 40, 45, and "peter" | b) "john" and "peter" | c) 40 and 45 | d) d = (40:"john", 45:"peter") |
| 15. | What will be the output of the following Python code snippet? d1 = {"john":40, "peter":45} d2 = {"john":466, "peter":45} d1 == d2 | | | [b] |
| | a) True | b) False | c) None | d) Error |
| 16. | Which of these is not a core data type? | | | [d] |
| | a) Lists | b) Dictionary | c) Tuples | d) Class |
| 17. | Select the reserved keyword in python | | | [D] |
| | (A) else | (B) import | (C) raise | (D) All of these |
| 18. | Which of the following symbols are used for comments in Python? | | | [D] |
| | (A) // | (B) " | (C) /**/ | (D) # |
| 19. | Which of the following is correct way to declare string variable in Python? | | | [A] |
| | (A) fruit = 'banana' | (B) fruit = "banana" | (C) fruit = banana | (D) fruit = (banana) |
| 20. | Python allows string slicing. What is the output of below code: s='cppbuzz chicago' print(s[3:5]) | | | [C] |
| | (A) pbuzz | (B) buzzc | (C) bu | (D) None of these |

III B.TECH I SEM ECE - CERTIFICATION EXAMINATIONS, NOVEMBER-2019

FUNDAMENTALS OF PYTHON PROGRAMMING

OBJECTIVE EXAM

NAME R. Yashwanth

HALL TICKET NO

1 7 0 0 1 A 0 4 5 0

Answer all the questions. All questions carry equal marks. Time: 20min. 20 marks.

I choose correct alternative:

| | | | | | |
|------------------------------|--|----------------------|--------------------------|--|--------|
| 1. | Is Python case sensitive when dealing with identifiers? | | | | [a] |
| a) yes | b) no | c) machine dependent | d) none of the mentioned | | |
| 2. | What is the output when we execute list("hello")? | | | | [b] |
| a) ['h', 'e', 'l', 'l', 'o'] | b) ['hello'] | c) ['llo'] | d) ['olleh'] | | |
| 3. | Suppose list1 is [2445,133,12454,123], what is max(list1)? | | | | [c] |
| a) 2445 | b) 133 | c) 12454 | d) 123 | | |
| 4. | Suppose list1 is [1, 5, 9], what is sum(list1)? | | | | [c] |
| a) 1 | b) 9 | c) 15 | d) Error | | |
| 5. | Which of the following is a Python tuple? | | | | [b] |
| a) [1, 2, 3] | b) (1, 2, 3) | c) {1, 2, 3} | d) {} | | |
| 6. | What will be the output of the following Python code? t=(1,2,4,3) t[1:3] | | | | [dc] |
| a) (1, 2) | b) (1, 2, 4) | c) (2, 4) | d) (2, 4, 3) | | |
| 7. | Suppose t = (1, 2, 4, 3), which of the following is incorrect? | | | | [bc] |
| a) print(t[3]) | b) t[3] = 45 | c) print(max(t)) | d) print(len(t)) | | |
| 8. | What will be the output of the following Python code? t = (1, 2) 2 * t | | | | [A] |
| a) (1, 2, 1, 2) | b) [1, 2, 1, 2] | c) (1, 1, 2, 2) | d) [1, 1, 2, 2] | | |
| 9. | Which is the correct operator for power(xy)? | | | | [b] |
| a) X^y | b) X**y | c) X^^y | d) None of the mentioned | | |

| | | |
|-----|--|-------|
| 10. | Which one of these is floor (int) division? | [B] |
| | a) / b) // c) % d) None of the mentioned | |
| 11. | What is the answer to this expression, 22 % 3 is? | [B] |
| | a) 7 b) 1 c) 0 d) 5 | |
| 12. | Which of the following statements is used to create an empty set? | [C] |
| | a) {} b) set() c) [] d) () | |
| 13. | Which of the following statements create a dictionary? | [B] |
| | a) d = {} b) d = {"john":40, "peter":45} c) d = {40:"john", 45:"peter"} d) All of the mentioned | |
| 14. | What will be the output of the following Python code snippet? d = {"john":40, "peter":45} | [D] |
| | a) "john", 40, 45, and "peter" b) "john" and "peter" c) 40 and 45 d) d = (40:"john", 45:"peter") | |
| 15. | What will be the output of the following Python code snippet? d1 = {"john":40, "peter":45} d2 = {"john":466, "peter":45} d1 == d2 | [D] |
| | a) True b) False c) None d) Error | |
| 16. | Which of these is not a core data type? | [B] |
| | a) Lists b) Dictionary c) Tuples d) Class | |
| 17. | Select the reserved keyword in python | [D] |
| | (A) else (B) import (C) raise (D) All of these | |
| 18. | Which of the following symbols are used for comments in Python? | [B] |
| | (A) // (B) " (C) /**/ (D) # | |
| 19. | Which of the following is correct way to declare string variable in Python? | [A] |
| | (A) fruit = 'banana' (B) fruit = "banana" (C) fruit = banana (D) fruit = (banana) | |
| 20. | Python allows string slicing. What is the output of below code: s='cppbuzz chicago' print(s[3:5]) | [C] |
| | (A) pbuzz (B) buzzc (C) bu (D) None of these | |



KG REDDY

College of Engineering
& Technology

CERTIFICATE

Name: MORA MEGHANA

Registration No: 18QM1A0464

has successfully completed the prescribed requirements for the award of certificate course on "**Fundamentals of Python Programming**" conducted by Electronics and Communication Engineering held in month from August to October in the academic year 2019-2020.

Course Coordinator



PRINCIPAL

Principal

KG Reddy College of Engineering & Technology
Chilkur (V), Mothabadi (M).
R.R.Dist., Telangana.



KG REDDY

College of Engineering
& Technology

CERTIFICATE

Name: MITTA AKHILA

Registration No: 17QM1A0429

has successfully completed the prescribed requirements for the award of certificate course on "**Fundamentals of Python Programming**" conducted by Electronics and Communication Engineering held in month from August to October in the academic year 2019-2020.

Course Coordinator



PRINCIPAL

KG Reddy College of Engineering & Technology
Chilukur (V), Moynabad (M).
R.R. Dist., Telangana.