



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

Maisammaguda(H), Gundlapochampally Village, Medchal
Mandal, Medchal-Malkajgiri District, Telangana State – 500100

CIRCULAR

Date: 13/12/2018

All the 1st/II Year/Sem students are hereby informed that the Malla Reddy Engineering College (Autonomous) is planning to organize Value Added Courses like Robotic Process Automation-II, Graphic Designing - II (Corel draw & Indesign), Green Matte Studio - Video Effects/Transitions, BASIC PYTHON I in Centre Of Excellence. In this regard Interested students are hereby directed to register for this Courses on or before 17/12/2018. For further details, please contact Centre of Excellence, MREC(A)


Principal

Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Past Via Kompally), Sec'bad-500100

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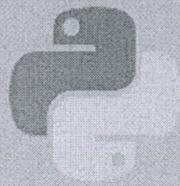
MALLA REDDY ENGINEERING COLLEGE
MAIN CAMPUS, AUTONOMOUS INSTITUTION
Maisammaguda, Dhulapally (Post) via Kompally,
Secunderabad-500100 Medchal - Malkajgiri District Telangana, India



COMPUTER SOFTWARE

HTML, PYTHON WITH DJANGO, JAVA,
SCRATCH PROGRAMMING

LAB VIEW, FOUNDATION OF BLOCK CHAIN,
MATLAB, BLOCK CHAIN REVOLUTION, MATLAB PRO,
ADVANCE JAVA, ADVANCE PYTHON.



python



Java

Course Duration -: 4 Months

**Before Software can be Reusable
it First has to be Usable.**

Raveesh
Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100



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Telangana State – 500100

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Course Name: Basics of Python

What is Script, program? Types of Scripts, Difference between Script and Programming Languages, Features and Limitation of Scripting, Types of programming Language Paradigms, What is Python? Why Python? Who Uses Python? Characteristics of Python

Introduction to Python

What is Python and history of Python?, Install Python and Environment Setup, Python Identifiers, Keywords and Indentation, Python Data Types

PYTHON NEW IDEs

PyCharm IDE, How to Work on PyCharm, PyCharm Components, Debugging process in PyCharm

PYTHON Install Anaconda, What is Anaconda?, Coding Environments

Spyder Components, General Spyder Features, Spyder Shortcut Keys

Jupyter Notebook

Python Conditional Statements — IF...Else, ELIF & Switch Case, Python For & While Loops — Enumerate, Break, Continue break, continue, pass statements — Learn with Example

Sequence or Collections in PYTHON

Strings, Lists, Tuples, Sets Dictionary, buffers, xrange

Learning Python Strings

Accessing Values in Strings, Various String Operators, Some more examples

Python TUPLE

Advantages of Tuple over List, Packing and Unpacking, Comparing tuples, Creating nested tuple

Using tuples as keys in dictionaries, Deleting Tuples, Slicing of Tuple, Tuple Membership Test

Built-in functions with Tuple, Dotted Charts

Python Sets

How to create a set?, Iteration Over Sets, Python Set Methods, Python Set Operations, Union of sets, Built-in Functions with Set

Python Frozenset



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Python Dictionary

How to create a dictionary?, Python Dictionary Methods, Copying dictionary, Updating Dictionary,
Delete Keys from the dictionary, Dictionary items() Method, Sorting the Dictionary, Python Dictionary in-built Functions
Dictionary len() Method, Variable Types

Python Functions

What is a function?, How to define and call a function in Python, Types of Functions, Significance of Indentation (Space) in Python
How Function Return Value? Types of Arguments in Functions , Default Arguments and Non-Default Arguments, Keyword
Argument and Non-keyword Arguments, Arbitrary Arguments, Rules to define a function in Python, Various Forms of Function
Arguments, Scope and Lifetime of variables, Nested Functions

Call By Value, Call by Reference, Anonymous Functions/Lambda functions, Passing functions to function, map(), filter(), reduce()
functions, What is a Docstring?



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Village,
Medchal Mandal, Medchal-Malkajgiri
District,
Telangana State - 500100

Course: BASIC PYTHON I
Date: 17/12/2018 to
13/04/2019

Registered Students

SL.No	Roll No	NAME	BRANCH
1.	18J41A0194	KOPPU AKASH	CE
2.	18J41A0199	MAIDAMWAR SAI CHARAN	CE
3.	18J41A01A6	PABBA SATHEESH GOWD	CE
4.	18J41A01B3	T ARAVIND	CE
5.	18J41A01B9	YAMALA NARENDRA VARA PRASAD	CE
6.	18J41A1233	MOTHA RAHUL	IT
7.	18J41A1237	NISSANKARA TARAKA RAMCHAND	IT
8.	18J41A1243	PATLURI SRUJAN	IT
9.	18J41A1249	SABA BEGUM	IT
10.	18J41A1258	VEMBADI INDHU	IT
11.	18J41A0233	MACHUKURU SNEHA RAJ	EEE
12.	18J41A0242	NHY VAMSI	EEE
13.	18J41A0254	SURAM PRASHANTH	EEE
14.	18J41A0255	TANDURI KRISHNA THANUJA	EEE
15.	18J41A0260	YENUGANTI PRANAV GOUD	EEE
16.	18J41A0394	MOHAMMAD SADIK	ME
17.	18J41A03A0	NOMULURI SAIVARSHITH REDDY	ME
18.	18J41A03A8	POLEPALLI SAI VENKATANAGA DURGA MANJUNATH	ME
19.	18J41A03B3	SARA KRISHNA GOUD	ME
20.	18J41A03C0	VISHNU V P	ME
21.	18J41A04F7	PADAKANTI SHYLENDRA	ECE
22.	18J41A04G3	RATHIKRINDA RAKESH BABU	ECE
23.	18J41A04H1	SIRAMSETTY KEERTHANA	ECE
24.	18J41A04H8	VEMULA NEERAJ KUMAR	ECE
25.	18J41A04H9	VENUMUDHALA YESHWANTH REDDY	ECE
26.	18J41A05M0	MAHENDARKAR VIDYA	CSE
27.	18J41A05M5	NUNE SRUTHI	CSE
28.	18J41A05N4	PUPPALA RAJA RAJESHWARI	CSE
29.	18J41A05P0	RENUKUNTA SAIKRISHNA	CSE
30.	18J41A05P7	VENKATA ADITYA LINGAMGUNTA	CSE

R. Venkath
Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
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SUMMARY

BASIC PYTHON I

Python is an interpreted, object-oriented, high-level programming language with dynamic semantics. Its high-level built in data structures, combined with dynamic typing and dynamic binding, make it very attractive for Rapid Application Development, as well as for use as a scripting or glue language to connect existing components together. Python's simple, easy to learn syntax emphasizes readability and therefore reduces the cost of program maintenance. Python supports modules and packages, which encourages program modularity and code reuse. The Python interpreter and the extensive standard library are available in source or binary form without charge for all major platforms, and can be freely distributed

Often, programmers fall in love with Python because of the increased productivity it provides. Since there is no compilation step, the edit-test-debug cycle is incredibly fast. Debugging Python programs is easy: a bug or bad input will never cause a segmentation fault. Instead, when the interpreter discovers an error, it raises an exception. When the program doesn't catch the exception, the interpreter prints a stack trace. A source level debugger allows inspection of local and global variables, evaluation of arbitrary expressions, setting breakpoints, stepping through the code a line at a time, and so on. The debugger is written in Python itself, testifying to Python's introspective power. On the other hand, often the quickest way to debug a program is to add a few print statements to the source: the fast edit-test-debug cycle makes this simple approach very effective



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Certificate Of the Course Completion

This is to Certify that

VENKATA ADITYA LINGAMGUNTA

*has Successfully Completed Basic Python I Course Offered by
Centre of Excellence, MREC(A) on 13/04/2019 bearing with
Roll No. 18J41A05P7 and Branch CSE.*

Dr. Yogesh Madaria
CONVENOR

Principal
Malla Reddy Engineering College
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Dr. S. Sudhakara Reddy
Conference Chair & Principal



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This is to Certify that

VISHNU V P

*has Successfully Completed Basic Python I Course Offered by
Centre of Excellence, MREC(A) on 13/04/2019 bearing with
Roll No. 18J41A03C0 and Branch ME.*

Dr. Yogesh Madaria
CONVENOR

Principal
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Dr. S. Sudhakara Reddy
Conference Chair & Principal



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This is to Certify that

YENUGANTI PRANAV GOUD

*has Successfully Completed Basic Python I Course Offered by
Centre of Excellence, MRECA(A) on 13/04/2019 bearing with
Roll No. 18J41A0260 and Branch EEE.*

Dr. Yogesh Madaria
CONVENOR

Principal
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Dr. S. Sudhakara Reddy
Conference Chair & Principal



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Certificate Of the Course Completion

This is to Certify that

KOPPU AKASH

*has Successfully Completed Basic Python I Course Offered by
Centre of Excellence, MRECA(A) on 13/04/2019 bearing with
Roll No. 18J41A0194 and Branch CE.*

Dr. Yogesh Madaria
CONVENOR

Principal

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Dr. S. Sudhakara Reddy
Conference Chair & Principal



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Certificate Of the Course Completion

This is to Certify that

RATHIKRINDA RAKESH BABU

*has Successfully Completed Basic Python I Course Offered by
Centre of Excellence, MREC(A) on 13/04/2019 bearing with
Roll No. 18J41A04G3 and Branch ECE.*

Dr. Yogesh Madaria
CONVENOR

Principal
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Dr. S. Sudhakara Reddy
Conference Chair & Principal