

BASIC PYTHON I



MALLAREDDY ENGINEERING COLLEGE

(Autonomous)

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

CIRCULAR

Date: 10/04/2021

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 in Centre Of Excellence. In this regard Interested students are hereby directed to register for this Courses in online or before 15/04/2021. For further details, please contact Centre of Excellence, MREC(A)


Principal

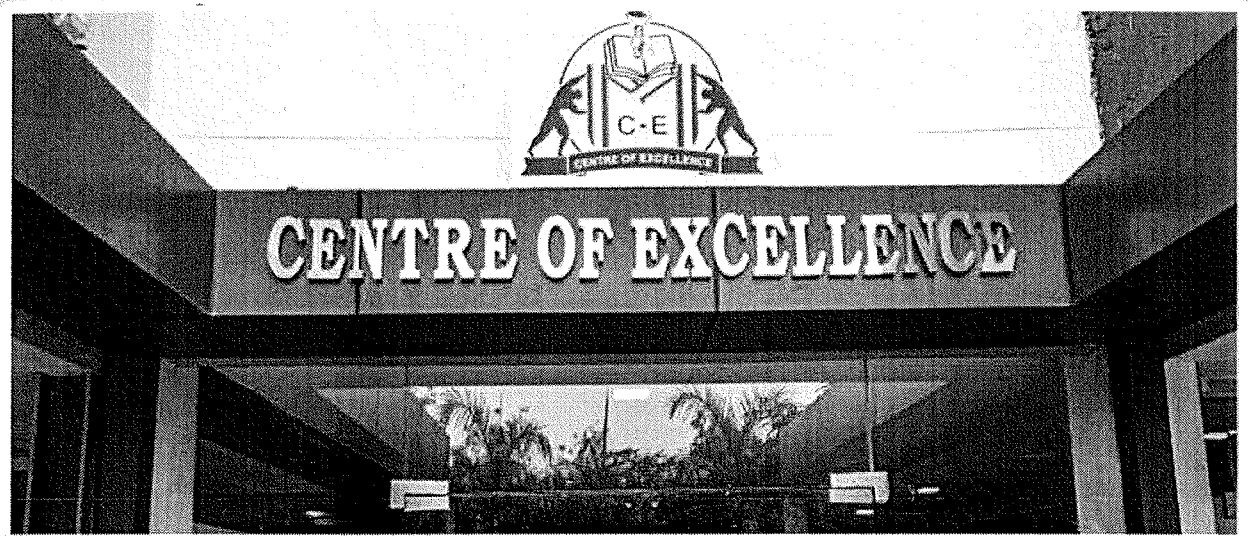
Copy to;

1. All HOD's-for information & circulation among staff
2. To be displayed in all notice board
3. Controller of Examination
4. Confidential Section Exam Branch
5. Group Admin Officer
6. Library
7. Physical Director-for necessary action
8. Security Officer-for necessary action
9. Transport Manager-for necessary action
10. TEQIP Coordinator & Academic Cell
11. Admin Office
12. System Admin
13. Placement Cell
14. PA to Principal for Filling

PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100



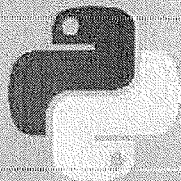
MALLA REDDY ENGINEERING COLLEGE
MAIN CAMPUS, AUTONOMOUS INSTITUTION
Maisammaguda, Dhulapally (Post) via Kompally,
Secunderabad-500100 Medchal - Malkajgiri District Telangana, India



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.



MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

CENTRE OF EXCELLENCE

Basics of Python

Course Code:

Duration: 32 Hours

Course Objective: Python is one of the most loved programming languages by developers, data scientists, software engineers, and even hackers because of its versatility, flexibility, and object-oriented features. Many of the web and mobile applications we enjoy today is because of Python's abundant libraries, various frameworks, vast collections of modules, and file extensions

Syllabus

UNIT-I:

6 Hours

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

UNIT-II:

6 Hours

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

UNIT-III:

7 Hours

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

PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Dore' Via Kompally), Sec'bad.

	MALLA REDDY ENGINEERING COLLEGE (Autonomous) Maisammaguda(H), Gundlapochampally Village, Medchal Mandal, Medchal-Malkajgiri District, Telangana State - 500100	Course: BASIC PYTHON I
		Date: 12/04/2021 to 13/09/2021

Registered Students

SL.No	Roll No	NAME	BRANCH
1.	20J41A0120	DHARAVATH NARENDAR	CE
2.	20J41A0118	CHINTHIREDDY DEEPIKA	CE
3.	20J41A0117	CHILUGURAJU PREM SAI SIDDHAARTHA	CE
4.	20J41A0216	GADDE SAI UMA CHOWDARY	EEE
5.	20J41A0217	GADILOLA KEERTHI REDDY	EEE
6.	20J41A0219	GOLLA VINESH	EEE
7.	20J41A0315	DOLUKA MANOHER	ME
8.	20J41A0316	DUDEKULA KAMAL	ME
9.	20J41A0317	DUNNA SAI KUMAR	ME
10.	20J41A0418	D SAMPATH REDDY	ECE
11.	20J41A0419	DONGALA GOPIRAJU	ECE
12.	20J41A0420	EMMADI GANESH REDDY	ECE
13.	20J41A1217	GANDLA UMA RANI	IT
14.	20J41A1220	KOPPINENI CHARAN RAHUL	IT
15.	20J41A1218	GUGULOTH SRIKANTH	IT
16.	20J41A0516	CHINTAWAR VAMSHIKA	CSE
17.	20J41A0517	D EMMANUEL JOHN	CSE
18.	20J41A0519	DARSE SHIKARI VASUDEV	CSE
19.	20J41A6617	DASARI SAIPRANAV	AIML
20.	20J41A6618	DUSSA VIGNAN SAI RAM	AIML
21.	20J41A6619	ENJAM ABHIRAM REDDY	AIML
22.	20J41A6221	GUNDI VENKATA SAIRAMA KRISHNA	CS
23.	20J41A6222	HADAPPAD MAHESH	CS
24.	20J41A6223	J KUSUMA	CS
25.	20J41A6718	GAJENDAR TIWARI	DS
26.	20J41A6717	GAJAWADA SHASHANK	DS
27.	20J41A6721	GOTTAM MANOHAR REDDY	DS
28.	20J41A6918	K KARTHIKEYA	IOT
29.	20J41A6916	CHENGGA JHANSI	IOT
30.	20J41A6921	KOMPALA USHA NIKITHA	IOT
31.	20J41A6952	TANNIRU LAVANYA	IOT
32.	20J41A6960	SOMA SWARNA	IOT
33.	20J41A6954	VYTILA NIVRITI	IOT
34.	20J41A6955	VYTILA SRI SATYA HARSHITH	IOT
35.	20J41A6958	GORETI SRUTHI	IOT
36.	20J41A6957	BUGATA VIJAY REDDY	IOT
37.	20J41A6959	MEDISHETTI KRISHNA SAI	IOT
38.	20J41A6748	POGULA RAHUL	CSE-DS
39.	20J41A6756	TALARI NITHISH KUMAR	CSE-DS
40.	20J41A6750	PUTTA SRINATH	CSE-DS
41.	20J41A6754	SIDDAMSHETTY SRI VYSHNAVI	CSE-DS
42.	20J41A6752	SAIRI MURALIDHAR	CSE-DS
43.	20J41A6755	THUMMALAPELLI SANTHOSH	CSE-DS
44.	20J41A6754	SAMUDRALA SRINATH	ME
45.	20J41A6755	SANA MUNEER	ME
46.	20J41A6756	SANGANNAGARI SATWIK	ME
47.	20J41A6710	CHERLA SREE HARSHITHA	CSE-DS

48.	20J41A6711	CHITYALA VINAY	CSE-DS
49.	20J41A6718	GAJENDAR TIWARI	CSE-DS
50.	20J41A6713	GOGINENI HARSHA VARDHINI	CSE-DS
51.	20J41A6716	GADDE RUTHVIK	CSE-DS
52.	20J41A6715	GOLIPALLY SANDEEP REDDY	CSE-DS
53.	20J41A6222	HADAPPAD MAHESH	CSE-CS
54.	20J41A6229	MANNE CHARMI	CSE-CS
55.	20J41A6224	JAMPULA SAI PRANEETH	CSE-CS
56.	20J41A6228	KUSNAM AKASH REDDY	CSE-CS
57.	20J41A6226	KETHI SIRI REDDY	CSE-CS
58.	20J41A04G5	POLOJU NITHIN	ECE
59.	20J41A04H3	SHAIK MAQSOOD	ECE
60.	20J41A04E4	KORIVI LIKHITH	ECE

Revised
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
 Maisammaguda, Dhulapally,
 (Post Via Kompally), Sec'bad-500 100

Shareth is talking...

Participants (35)

20J41A6909

20J41A6930

20J41A6958...

20J41A6940

20J41A6901

20J41A6916

20J41A6926

21J45A6901

20J41A6907

20J41A6922

harshith vytla

20J41A6917

20J41A6924

20J41A6959

20J41A6960

20J41A6923

20J41A6954

20J41A6935

B.S.D.K

20J41A6921

20J41A6945

bsd.k

Audio Start Video

Security Participants Chat Share Screen Record Reactions

End Invite Mute All

Picture Tools

You are screen sharing

Stop Share

Home Insert Design Animations Slide Show Review View Format

Font Size Color Background Color Text Color

BASIC PYTHON

A simple Python code to send a mail

```
try:
    msg = MIMEText(content, text_subtype)
    msg['Subject'] = subject
    msg['From'] = sender # some SMTP servers will do this
                        # automatically, not all

    conn = SMTP(SMTPserver)
    conn.set_debuglevel(False)
    conn.login(USERNAME, PASSWORD)
    try:
        conn.sendmail(sender, destination, msg.as_string())
    finally:
        conn.close()
except Exception, exc:
```

Participants (35)

20J41A6909

20J41A6930

20J41A6958...

20J41A6940

20J41A6901

20J41A6916

20J41A6926

21J45A6901

20J41A6907

20J41A6922

harshith vytla

20J41A6917

20J41A6924

20J41A6959

20J41A6960

20J41A6923

20J41A6954

20J41A6935

B.S.D.K

20J41A6921

20J41A6945

bsd.k

Audio Start Video

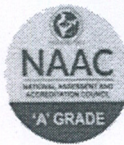
Security Participants Chat Share Screen Record Reactions

End Invite Mute All



MALLA REDDY ENGINEERING COLLEGE

MAIN CAMPUS AUTONOMOUS INSTITUTION



CERTIFICATE

OF COURSE COMPLETION

This is to Certify that

BANOTH ANU PRIYA

*has Sucessfully Completed Basic Python I
Course offered by Centre of Excellence, MREC(A)*

on 12/09/2021 bearing with

Roll No. 20J41A0407 and Branch ECE

**N. RISHIKANTH
DEAN (COE)**

**Dr. A. Ravendra
Principal**

Ravend
PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Malsammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100



MALLA REDDY ENGINEERING COLLEGE

MAIN CAMPUS AUTONOMOUS INSTITUTION



CERTIFICATE

OF COURSE COMPLETION

This is to Certify that

CHALUVADI SUMA SRI

*has Successfully Completed Basic Python I
Course offered by Centre of Excellence, MREC(A)*

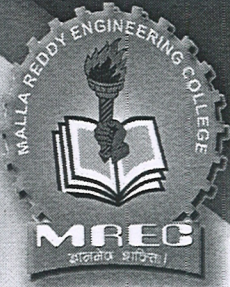
on 12/09/2021 bearing with

Roll No. 20J41A1212 and Branch IT.

**N. RISHIKANTH
DEAN (COE)**

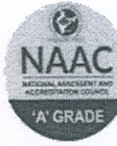
**Dr. A. Ravendra
Principal**

PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Matsammaguda, Dhulapally,
Post Via Kompally, Sec'bad-500 100



MALLA REDDY ENGINEERING COLLEGE

MAIN CAMPUS AUTONOMOUS INSTITUTION



CERTIFICATE OF COURSE COMPLETION

This is to Certify that

CHEGIREDDY CHERISH REDDY

*has Successfully Completed Basic Python I
Course offered by Centre of Excellence, MREC(A)*

on 12/09/2021 *bearing with*

Roll No. 20J41A6612 *and Branch* AIML.

**N. RISHIKANTH
DEAN (COE)**

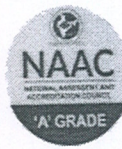
**Dr. A. Ravendra
Principal**

PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100



MALLA REDDY ENGINEERING COLLEGE

MAIN CAMPUS AUTONOMOUS INSTITUTION



CERTIFICATE

OF COURSE COMPLETION

This is to Certify that

KAMIDI AKHIL


*has Successfully Completed Basic Python I
Course offered by Centre of Excellence, MREC(A)*

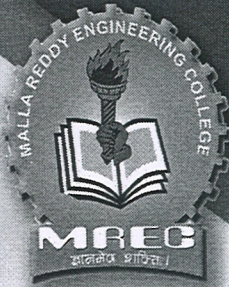
on 12/09/2021 bearing with

Roll No. 20J41A0528 and Branch CSE.

**N. RISHIKANTH
DEAN (COE)**

**Dr.A.Ravendra
Principal**


PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally;
(Post Via Kompally), Sec'bad-500 100



MALLA REDDY ENGINEERING COLLEGE

MAIN CAMPUS AUTONOMOUS INSTITUTION



CERTIFICATE

OF COURSE COMPLETION

This is to Certify that

MAREDDY NISHITH CHOWDARY


*has Successfully Completed Basic Python I
Course offered by Centre of Excellence, MREC(A)*

on 12/09/2021 *bearing with*

Roll No. 20J41A6927 *and Branch* IOT.

**N. RISHIKANTH
DEAN (COE)**

**Dr. A. Ravendra
Principal**


PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Walsammaguda, Dhulapally,
(Dist. via Kamalapuram), Sec'bad-500 100