MALLA REDDY ENGINEERING COLLEGE
(UGC Autonomous Institution, Approved by AICTE, New Delhi &Affiliated to
JNTUH, Hyderabad). Accredited by NAAC with 'A' Grade (Cycle II),
Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad,
Telangana State – 500100, www.mrec.ac.in

Department of Computer Science and Engineering

CIRCULAR

Date: 03/02/2023

All the students are hereby informed that Value Added Course on **"Programming essentials in Python"** is being organized by the **Computer Scienceand Engineering**Department on dated **10ᵗʰFebruary 2023 to 31ˢᵀMarch 2023**. The resource person for the course is **Ms.N.Hemalatha,Skiltemate Technologies.**

Students are advised to register their names to the programme coordinator **"Ms.S.SandhyaRani Associated professor CSE Department"**, on or before 08/02/2023 and utilize this opportunity to enhance their skills by attending the programme.

The detailed schedule of the programme will be displayed in the notice board.

Head of the Department

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.

Copy to:
1) Circulation in Students classroom
2) All HOD's
3) Notice Boards
4) PA to principal for filing.

Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally
(Post Via Kompally), Secunderabad

About the Institution

Malla Reddy Engineering College (Autonomous) is one of the reputed engineering colleges in Hyderabad, Telangana. **MREC (A)** is part of Malla Reddy Group of Institutions (MRGI), founded by Sri. Ch. Malla Reddy, currently Hon'ble Minister, Labor and Employment, Factories, Women and Child Welfare and Skill Development, Govt. of Telangana State. The college is situated in a serene, lush green environment in Maisammaguda, Gundlapochampally, Medchal(M), Medchal-Malkajgiri District Telangana– 500100.

The college was established in 2002 and is an autonomous institution approved by UGC and affiliated to JNTUH. The college is re-accredited by NAAC with 'A' Grade (II Cycle) and was conferred autonomous status by JNTUH in 2011 and by UGC in 2014 for a period of 6 years. Our eligible UG and PG programs received NBA accreditation and some of them received reaccreditation too. The college caters to wide ranging aspirations and goals of student communities by offering new courses in UG courses provides PG courses and MBA along with programs in various streams of Engineering & Technology and Management. It boasts of world-class infrastructure and well-equipped laboratories in all departments and is skillfully and smartly guided by **Dr. A. Rama Swami Reddy, Principal**, MREC (A) who have a rich teaching and industrial experience.

Advisory Committee

Chief Patrons: Sri. Ch. Malla Reddy, Minister-Telangana State-India.
Founder Chairman
Malla Reddy Group of Institutions

Patrons: **Sri.Ch. Mahender Reddy**
Secretary, MRGI
Dr.Ch.Bhadra Reddy
President, MRGI

Co-Patrons: Dr. A. Rama Swami Reddy
Principal, MREC (A)

Convener: Dr.Shiva Prasad satla
HOD CSE

Coordinator:Ms.S.SandhyaRani ,
Associated professor, CSE

Resource Person:Ms.N.Hemalatha,
Skiltemate Technologies

Organizing Committee:

Dr.P.Srinivas, Professor, CSE
Dr.J.Anitha, Professor, CSE
Dr.N.Supriya, Professor, CSE
Mr. P.V. Ramana Murthy, Associate Professor, CSE
Mr. K Arun Kumar, Assistant Professor, CSE
Mr.K.SubbaShanker, Assistant Professor, CSE
Mr.S.Ajay Kumar, Assistant Professor, CSE
Mr.B.Raja Rao, Assistant Professor, CSE

A One-Month Skill development Co
(Value added Course)
On
"Programming essentials in Pyth

10th February 2023 to 31ST March 2

(02.30 PM to 04.15 PM)

Organizedby
Department of
Computer Science and Engineeri
MALLA REDDY ENGINEERING COL
(AUTONOMOUS) MAIN CAMPUS
An UGC Autonomous Institution, Appro
AICTE & Affiliated to JNTUH-Hydera
Reaccredited by NAAC with 'A' Grade (I
Maisammaguda(H), Gundlapochampall
Medchal (M), Medchal - Malkajgiri Dis
Telangana - 500100, **India**

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

Registration Form

Name of the Participant :------------------------

Branch&Year :----------------------------------

Name of Institution:----------------------------

Address for Communication:-------------------

Mobile Number:--------------------------------

E-Mail ID:--------------------------------------

DECLARATION:
The information furnished above is true to
the best of my Knowledge.

Place:

Date:

Signature of Applicant

About the Department

The Department of CSE was started in the year 2005 with a vision of imparting high-quality education to suite the global standards in Computer science and Engineering. The department has got highly qualified & committed faculty members supported by dedicated technical staff.

The department has its own library and sophisticated laboratories not only to suite curriculum requirements but also to serve research needs such as Computer Networks, Data Mining, Software Engineering, Image processing & Cloud Computing. Workshops, software simulation etc.
The department formed CSI and ISTE student branch for the benefit of students and faculty by conducting technical Conferences, workshops, FDPs and Guest lectures.

Overview of the Programme

Python Programming course will providebest, and most relative contents required for making the participants comfortable with Python Programming Language. The main motive of the course will be to help students get started with python programming language and motivate them to gain knowledge on deeper concepts of the language.

Objectives of the Programme
During the Python Programming course, administered by the undersigned instructor, the student wasable to proficiently:

- Understand the Python Installation and Environment.
- Understand python basics, algorithms, and programs
- Understand the control flow and looping statements, functions, and methods.
- Learn about concepts of Lists, Tuples, strings, Dictionaries and File I/O.
- Explore about exceptional handling and error handling and object-oriented concepts.

Topics to be covered

- Fundamentals of Python programming
- Basics of Variables statements and expressions.
- Methods and functions.
- List, Tuples, Dictionaries, and Strings
- Object oriented programming concepts.

Certificate

After successful completion of the course the certificates shall be issued to the participants.

Outcome of the program,

On completion of this course, participants will be able to equip with all the skills required to match their expectations.

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Telangana State – 500100, www.mrec.ac.in

Programming essentials in Python

Course code: VACCSE07   **Duration of the course: (40hrs)**

Objective of the course:

- o   To understand why Python is a useful scripting language for developers.
- o   To learn how to build and package Python modules for reusability.
- o   To learn how to read and write files in Python.
- o   To learn how to design object-oriented programs with Python classes.
- o   To learn how to use class inheritance in Python for reusability.
- o   To learn how to use exception handling in Python applications for error handling.

Syllabus

Unit-1   Total hrs: 8

Introduction - Fundamentals of Python ,Introduction to Python , Running Python Programs, Writing Python Code

Working with Data - Printing with Parameters , Getting Input from a User , String Formatting

Unit-2   Total hrs: 8

Input and Output - Printing with Parameters , Getting Input from a User , String Formatting

Making Decisions - Logical Expressions , The "if" Statement , Logical Operators , More Complex Expressions

Finding and Fixing Problems - Types of Errors , Troubleshooting Tools ,Using the Python Debugger

Unit-3   Total hrs: 8

Lists and Loops - Lists and Tuples , List Functions , "For" Loops , "While" Loops

Numeric and Date Functions - Dates and Times , Advanced Data and Time Management , Random Numbers , The Math Library

Unit-4   Total hrs: 8

Working with Strings - Character Data , String Functions , Input Validation with "try / except"

Functions - Writing and Calling Functions, Function Inputs and Outputs , Local and Global Scope

Python Classes - Thinking about Objects , Class Variables and Methods , Managing Class Files

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Unit-5
<div style="text-align:right">**Total hrs: 8**</div>

Class Instances - Creating Objects with Instance Data , Instance Methods , Managing Objects

Creative Project (Scale as desired to meet available time) - Project Life-cycles and teams

Outcome of the course:

Upon successful completion of this course, the student will be able to:

➢ Define and demonstrate the use of built-in data structures "lists" and "dictionary".

➢ Design and implement a program to solve a real world problem.

➢ Design and implement GUI application and how to handle exceptions and files.

➢ Make database connectivity in python programming language

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Value Added Courses
On
"Programming essentials in Python"

10.02.2023 to 31.03.2023
Organized by
Department of Computer Science and Engineering.

MALLA REDDY ENGINEERING COLLEGE (Autonomous)

Maisammaguda, DhulapallyPost,viaKompally
Secunderabad– 500100

REGISTRATION FORM

Date: 10.02.2023

1.Name of the Participant ……TANDRA SAI PRASANNA………………..
………………21J41D5806………………………………....

2. Designation ………………STUDENT………………………..

3. Qualification:………B.Tech [CSE]……………………………….

4. Institute:…MALLA REDDY ENGINEERING COLLEGE…
………………………[AUTONOMOUS]………………………
……………………………………………………………………

5.Address for communication: ……Patancheruvu- Hyderabad…..
……………………………………………………………………
……………………………………………………………………..

6. Mobile Number………9854963580……………………………….

7. E-mail:………saiprasanna@gmail.com……………………………

Date:Signature of the Applicant

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

Value Added Courses
On
"Programming essentials in Python"

10.02.2023 to 31.03.2023
Organized by
Department of Computer Science and Engineering.
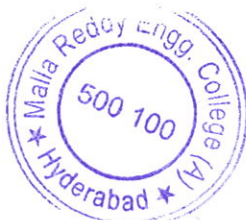
MALLA REDDY ENGINEERING COLLEGE (Autonomous)

Maisammaguda, DhulapallyPost,viaKompally
Secunderabad– 500100

REGISTRATION FORM

Date: 10.02.2023

1.Name of the Participant …...MIKKILI SATHWIKA…………………..........

………….…………21J41D5804…………………………………..…...

2. Designation ……………STUDENT………………………………..…...

3. Qualification:…….B.Tech [cSE]………………………………….…

4. Institute:…MALLA REDDY ENGINEERING COLLEGE…
…………………[AUTONOMOUS]……………………………….…
………………………………………………………………………

5.Address for communication: ..Siddipet (V.)– Siddipet (M.)………
………………………………Siddipet (D.)……………………………
…………………………………………………………….……………

6. Mobile Number…………69584 39205………………………..…

7. E-mail:……..Sathwika_598@gmailcom…………………….…

Date:Signature of the Applicant

Value Added Courses
On
"Programming essentials in Python"

10.02.2023 to 31.03.2023
Organized by
Department of Computer Science and Engineering.

MALLA REDDY ENGINEERING COLLEGE (Autonomous)

Maisammaguda, DhulapallyPost,viaKompally
Secunderabad– 500100

REGISTRATION FORM

Date: 10.02.2023

1.Name of the Participant ....KONDA SUMA..

................................21J41D5802......................................

2. Designation ....STUDENT................................

3. Qualification:.........B.Tech [CSE]................................

4. Institute:..MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)................................

5.Address for communication: ....Chandanagar--Hyderabad.....

6. Mobile Number.............8543269085................................

7. E-mail:...........Suma585@gmail.com................................

Date:Signature of the Applicant

Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally) Se......... 100.

Value Added Courses
On
"Programming essentials in Python"

10.02.2023 to 31.03.2023
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Department of Computer Science and Engineering.

MALLA REDDY ENGINEERING COLLEGE (Autonomous)

Maisammaguda, DhulapallyPost,viaKompally
Secunderabad– 500100

REGISTRATION FORM

Date: 10.02.2023

1.Name of the Participant ......KOLUSU VENKATA SAI.........................
.................21J41D5801...

2. Designation ....STUDENT...................................

3. Qualification:............B.Tech [CSE].............................

4. Institute:MALLA REDDY ENGINEERING COLLEGE......
.....................[AUTONOMOUS].........................
....

5.Address for communication: ....Miyapur - Hyderabad................
....
....

6. Mobile Number............8015496356........................

7. E-mail:..........Venkatasai-56 @gmail.com......................

Date:Signature of the Applicant

Value Added Courses
On
"Programming essentials in Python"

10.02.2023 to 31.03.2023

Organized by

Department of Computer Science and Engineering.

MALLA REDDY ENGINEERING COLLEGE (Autonomous)

Maisammaguda, DhulapallyPost,viaKompally
Secunderabad– 500100

REGISTRATION FORM

Date: 10.02.2023

1.Name of the Participant ...RACHARLA...BHANU...CHANDER.................

...............21J41D5803...

2. Designation ....STUDENT....................................

3. Qualification:.........B.Tech [CSE].............................

4. Institute:..MALLA...REDDY...ENGINEERING....COLLEGE.......
..................[AUTONOMOUS]....................................
....

5.Address for communication: ......Beeramguda-Hyderabad.......
....
....

6. Mobile Number..........9596972980......................

7. E-mail:........bhanu-95@gmail.com...........................

Date:Signature of the Applicant

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Maisammaguda, Dhulapally,
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	MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)	Department: CSE
	(UGC Autonomous Institution, Affiliated to JNTUH, Accredited 2nd time by NAAC with 'A' Grade & NBA and Recipient of World Bank Assistance under TEQIP--II S.C. 1.1)	Course Name:Programming essentials in Python
	Maisammaguda (H), Medchal-Malkajgiri District, Telangana State – 500100	Date:10thFebruary 2023 to 31STMarch 2023
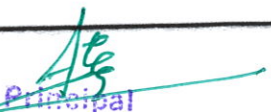
Value Added Course
List of Students enrolled and completed

Sl.No	Roll No	Name of the students	Year/ Semester	Course completed
1	21J41D5801	KOLUSU VENKATA SAI	II/I	YES
2	21J41D5802	KONDA SUMA	II/I	YES
3	21J41D5803	RACHARLA BHANU CHANDER	II/I	YES
4	21J41D5804	SATHWIKA MIKKILI	II/I	YES
5	21J41D5805	SATTIVADA DINESH KUMAR	II/I	NO
6	21J41D5806	TANDRA SAI PRASANNA	II/I	YES
7	21J41D5807	VELLALA NAGA SAI MANOJ REDDY	II/I	YES

HOD-CSE

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.

Principal
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Telangana State – 500100, www.mrec.ac.in

Department: CSE

Date:10ᵗʰFebrury 2023to 31ˢᵗMarch 2023

II M.Tech I Sem Value Added Course Attendance Sheet

Programming Essentials in Python

S.NO	Roll no	Name of the Student	10/2/23	13/2/23	14/2/23	15/2/23	16/2/23	17/2/23	20/2/23	21/2/23	22/2/23	24/2/23	27/2/23	28/2/23	01/3/23
1	21J41D5801	KOLUSU VENKATA SAI						A							
2	21J41D5802	KONDA SUMA						A							
3	21J41D5803	RACHARLA BHANU CHANDER							A						
4	21J41D5804	SATHWIKA MIKKILI													
5	21J41D5805	SATTIVADA DINESH KUMAR			A										
6	21J41D5806	TANDRA SAI PRASANNA									A				
7	21J41D5807	VELLALA NAGA SAI MANOJ REDDY												A	

CO-ORDONATER   HOD

Head of the Department

Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
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MALLA REDDY ENGINEERING COLLEGE

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Department: CSE

Date:10ᵗʰFebrury 2023to 31ˢᵗMarch 2023

II M.Tech I Sem Value Added Course Attendance Sheet

Programming Essentials in Python

S.NO	Roll no	Name of the Student	10/2/23	132/23	14/2/23	15/2/23	16/2/23	17/2/23	20/2/23	21/2/23	22/2/23	23/2/23	24/2/23	27/2/23	28/2/23	01/3/23
1	21J41D5801	KOLUSU VENKATA SAI	vent	vent	vent	vent	vent	A	vent	vent	vent	vent	vent	vent	vent	vent
2	21J41D5802	KONDA SUMA	Suma	Suma	A	Suma	Suma	Suma	Suma	Suma	Suma	Suma	Suma	Suma	Suma	Suma
3	21J41D5803	RACHARLA BHANU CHANDER	Bhanu	Bhanu	Bhanu	Bhanu	Bhanu	Bhanu	A	Bhanu	Bhanu	Bhanu	Bhanu	Bhanu	Bhanu	Bhanu
4	21J41D5804	SATHWIKA MIKKILI	Satwi	Satwi	Satwi	Satwi	Satwi	Satwi	Satwi	Satwi	Satwi	Satwi	Satwi	Satwi	Satwi	Satwi
5	21J41D5805	SATTIVADA DINESH KUMAR	Dinesh	Dinesh	A	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh
6	21J41D5806	TANDRA SAI PRASANNA	SP	SP	SP	SP	SP	SP	SP	SP	SP	A	SP	SP	SP	SP
7	21J41D5807	VELLALA NAGA SAI MANOJ REDDY	Manoj	Manoj	Manoj	Manoj	Manoj	Manoj	Manoj	Manoj	Manoj	Manoj	Manoj	Manoj	A	Manoj

CO-ORDONATER

HOD

MALLA REDDY ENGINEERING COLLEGE

(Autonomous – main Campus))

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100 , Telangana

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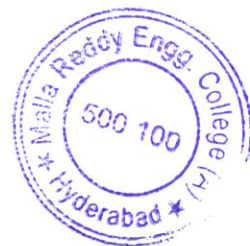
VALUE ADDED COURSES

On

"Certification program on Programming essentials in Python"

Certificate

This is to certify that <u>21J41D5806, TANDRA SAI PRASANNA</u>   from Department of <u>Computer Science and Engineering</u> successfully completed the <u>Value Added Course</u> on "Certification Program on Programming essentials in Python" held from <u>10.02.2023 to 31.03.2023</u> organized by Department of Computer Science and Engineering, MREC (Autonomous) , Hyderabad, Telangana

Coordinator

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

HOD

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State, 500 100

MALLA REDDY ENGINEERING COLLEGE

(Autonomous – main Campus))

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100 , Telangana

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VALUE ADDED COURSES

On

"Certification program on Programming essentials in Python"

Certificate

This is to certify that <u>21J41D5804</u>, <u>SATHWIKA MIKKILI</u> from Department of <u>Computer Science and Engineering</u> successfully completed the <u>Value Added Course</u> on "<u>Certification Program on Programming essentials in Python</u>" held from <u>10.02.2023 to 31.03.2023</u> organized by Department of Computer Science and Engineering, MREC (Autonomous) , Hyderabad, Telangana

Coordinator

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

HOD
Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.

MALLA REDDY ENGINEERING COLLEGE

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VALUE ADDED COURSES

On

"Certification program on Programming essentials in Python"

Certificate

This is to certify that <u>21J41D5803</u>, <u>RACHARLA BHANU CHANDER</u> from Department of <u>Computer Science and Engineering</u> successfully completed the <u>Value Added Course</u> on "<u>Certification Program on Programming essentials in Python</u>" held from <u>10.02.2023 to 31.03.2023</u> organized by Department of Computer Science and Engineering, MREC (Autonomous) , Hyderabad, Telangana

Coordinator

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

HOD

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.

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VALUE ADDED COURSES

On

"Certification program on Programming essentials in Python"

Certificate

This is to certify that <u>21J41D5802, KONDA SUMA</u> from Department of <u>Computer Science and Engineering</u> successfully completed the <u>Value Added Course</u> on "<u>Certification Program on Programming essentials in Python</u>" held from <u>10.02.2023</u> to <u>31.03.2023</u> organized by Department of Computer Science and Engineering, MREC (Autonomous) , Hyderabad, Telangana

Coordinator

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

500 100

HOD

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100

MALLA REDDY ENGINEERING COLLEGE

(Autonomous – main Campus))

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100 , Telangana

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VALUE ADDED COURSES

On

"Certification program on Programming essentials in Python"

Certificate

This is to certify that <u>21J41D5801, KOLUSU VENKATA SAI PAVAN BABU</u> from Department of <u>Computer Science and Engineering</u> successfully completed the <u>Value Added Course</u> on "<u>Certification Program on Programming essentials in Python</u>" held from <u>10.02.2023 to 31.03.2023</u> organized by Department of Computer Science and Engineering, MREC (Autonomous) , Hyderabad, Telangana

Coordinator

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

HOD
Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100