



MALLA REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

Program Name: Workshop on Data Structures Using Python.

Program Date: 27th May, 2021 to 29th May, 2021.

Conducted By: Department of Information Technology.

Audience: II year students of IT, CSE, ECE, EEE, MECH & ANE.

Mode: Online (Microsoft Teams)

Coordinator: Mr. A. Yogananda, Associate Professor, Dept. of IT.

About the Program:

The workshop was held from 27th May, 2021 to 29th May, 2021 under the supervision of Dr. G. Sharada, HOD, Department of IT and the Instructor was Mr. A. Durga Prasad from COIGN Technologies.

The program was highly beneficial to all students from different branches in this Pandemic time which inculcates the interest towards learning new Technologies ruling today's market. The program was followed by enlightening the students with the purpose and importance of Data Structures Using Python.

Workshop Schedule:

DATE	TIME	TOPIC	RESOURCE PERSON
27-05-2021	9 AM to 12 Noon	List, Tuple, Dictionary, Strings, List Problems, Introduction to Data Structures	Mr.A.Durga Prasad COIGN TECHNOLOGIES
28-05-2021	9 AM to 12 Noon	Stacks, Queues, Linked Lists	Mr.A.Durga Prasad COIGN TECHNOLOGIES
29-05-2021	9 AM to 12 Noon	Searching Operation	Mr.A.Durga Prasad COIGN TECHNOLOGIES
29-05-2021	1 PM to 4 PM	Sorting Operation	Mr.A.Durga Prasad COIGN TECHNOLOGIES

Day - 1:

MRCET 2nd Years

38:06

```
60
61 problem:
62   given a string print the number of distinct characters
63   durgaprasad = 9
64   aaab = 2
65
66 sol 1)
67   set = {}
68   for i in str:
69     set.add(i)
70   len(set)
71
72
73
74
75
76
77
78
79
```

Participants

Invite someone or dial a number

Share invite

Presenters (4) Mute all

- YOGANANDA ARISSETTY
- Echo Organizer Outside your organization
- P.Swetha Reddy
- SYAM PRASAD ALLADI

Attendees (660)

- 17331A04G7 Outside your organization
- 18331A0257 Outside your organization
- 18331A0268 Outside your organization
- 18331A0276

Windows taskbar: Search, 30°C, 10:11 AM, 27-05-2021

MRCET 2nd Years

05:20

Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy

```
1 list = [1,2,3,4,5,6]
2 list[2] = 4
3 list = [1,2,4,4,5,6]
4
5 for i in range(0,len(list)):
6   print(list[i])
7
8 for i in list:
9   print(i)
10
11 list = ["ball","cat","plane"];
12
13 if "apple" in list:
14
15
16
```

Participants

Dismiss

Presenters (4)

- DR
- 2
- VT
- PR
- Echo

Attendees (588)

- DS
- DONTHIREDDY DINA...
- 20N35A0212
- VULUCHI TEJASWINI
- P.Swetha Reddy
- Echo

Windows taskbar: Search, 29°C Mostly cloudy, 09:30 AM, 27-05-2021

Day - 3:

The screenshot shows a Microsoft Teams meeting window. The main content is a code editor displaying Python code for a binary search algorithm. The code is as follows:

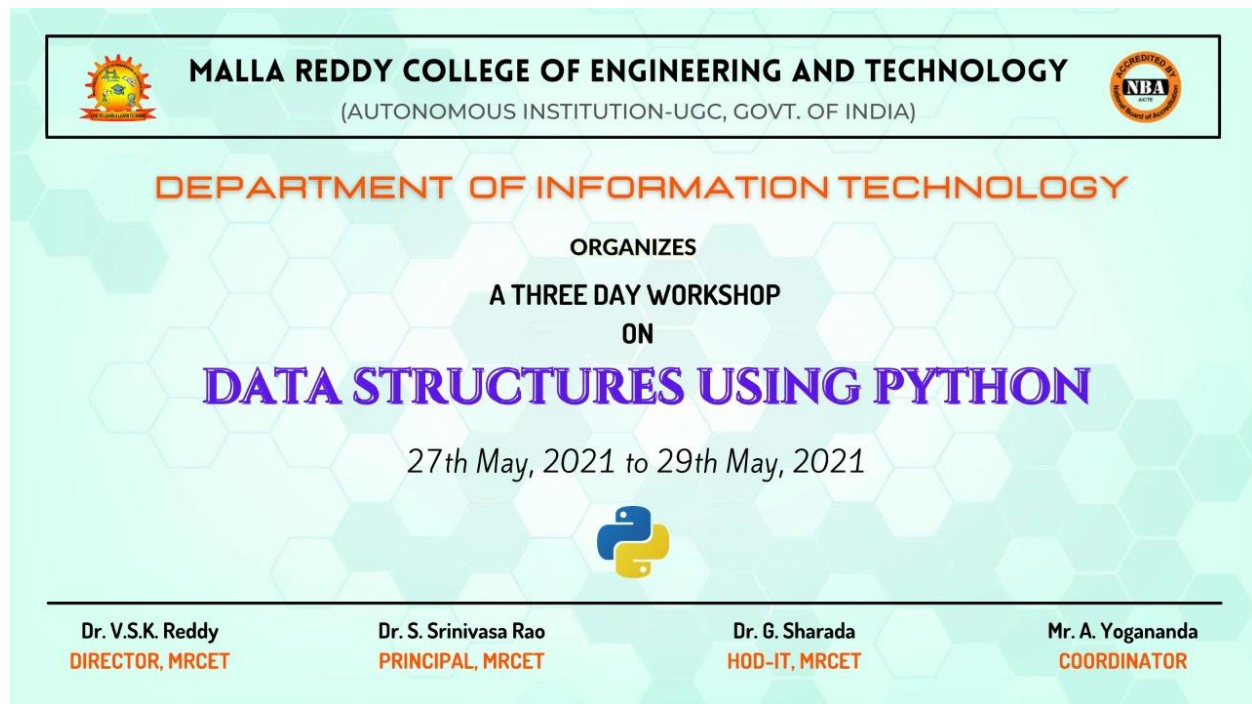
```
310     else: #elif ele < list[mid]:
311         high = mid - 1
312
313     return -1
314
315 #binarycount
316 def count(list,start,key):
317     lcount=0
318     rcount=0
319     for i in range(start,0,-1):
320         if list[i]!=key:
321             break;
322         lcount=lcount+1
323     for i in range(start+1,len-1):
324         while list[i]==key:
325             rcount=rcount+1
326     return (lcount+rcount)
327
328
```

The meeting interface includes a top bar with the time 34:52, a 'Request control' button, and a 'Leave' button. On the right, the 'Participants' panel shows three presenters (P.Swetha Reddy, Echo, and MK) and several attendees. A Windows watermark is visible at the bottom right.

The screenshot shows a Microsoft Teams meeting window with a recording notification at the top: "Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy Dismiss". The meeting title is "MRCET - 2nd Years".

The main content area shows a meeting chat window with a list of participants and their status. The chat history includes several messages from participants like YOGANANDA ARISSETTY, MK, and KR. The meeting interface also shows a top bar with the time 59:44, a 'Request control' button, and a 'Leave' button. The 'Participants' panel on the right shows four presenters (P.Swetha Reddy, Echo, YOGANANDA ARISSETTY, and MK) and several attendees. A Windows watermark is visible at the bottom right.


Workshop Poster:



The poster features a light green background with a hexagonal pattern. At the top, a black-bordered box contains the college logo on the left, the text 'MALLA REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS INSTITUTION-UGC, GOVT. OF INDIA)' in the center, and the NBA logo on the right. Below this, the text 'DEPARTMENT OF INFORMATION TECHNOLOGY ORGANIZES A THREE DAY WORKSHOP ON DATA STRUCTURES USING PYTHON' is centered. The dates '27th May, 2021 to 29th May, 2021' are centered below the title. The Python logo is centered below the dates. At the bottom, a horizontal line separates the names and titles of four individuals: Dr. V.S.K. Reddy (DIRECTOR, MRCET), Dr. S. Srinivasa Rao (PRINCIPAL, MRCET), Dr. G. Sharada (HOD-IT, MRCET), and Mr. A. Yogananda (COORDINATOR).

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(AUTONOMOUS INSTITUTION-UGC, GOVT. OF INDIA)

DEPARTMENT OF INFORMATION TECHNOLOGY
ORGANIZES
A THREE DAY WORKSHOP
ON
DATA STRUCTURES USING PYTHON
27th May, 2021 to 29th May, 2021



Dr. V.S.K. Reddy
DIRECTOR, MRCET

Dr. S. Srinivasa Rao
PRINCIPAL, MRCET

Dr. G. Sharada
HOD-IT, MRCET

Mr. A. Yogananda
COORDINATOR

The Workshop was a wonderful opportunity for students to come forward and understand the concepts from scratch. It was delightful to have Mr. Durga Prasad Sir from COIGN teach the students of our Campus. We would like to take this opportunity to place on record our hearty thanks to our Principal Mr. K. Srinivasa Rao Sir, for providing us with this great opportunity to learn something new. I would also like to thank our HOD, Department of IT, Mrs. G. Sharada ma'am for the perfect support and guidance she has extended in the conduction of this workshop. This event wouldn't have been successful without the sincere efforts and cooperation of the coordinator Mr. A. Yogananda, Associate Professor, Department of IT. And last but not the least; I would like to sincerely thank the college management and everybody who has been associated with this workshop for making this a huge success.