VEMU INSTITUTE OF TECHNOLOGY::P.KOTHAKOTA
NEAR PAKALA, CHITTOOR-517112
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapuramu)
<u>**Department of Computer Science and Engineering**</u>

WORKSHOP

ON

"DATA STRUCTURES

&

ALGORITHMS"

Date: 16-07-2018 to 21-07-2018

Targetted Students: II CSE Students

VEMU INSTITUTE OF TECHNOLOGY

P. Kothakota Post, near Pakala, Chitoor, Andhra Pradesh 517112

One Week Workshop

on

Data Structures

From 16/07/2018 to 21/07/2018

organized by

Department of Computer Science And Engineering

In association with

APSSDC

HOD	Principal
Dr. D.Murali	Dr. T.Chandra sekhar Rao

PRINCIPAL
Vemu Institute of Technology
P. KOTHAKOTA - 517 112

VEMU INSTITUTE OF TECHNOLOGY:P.KOTHAKOTA
NEAR PAKALA, CHITTOOR-517112
(Approved by AICTE, New Delhi & Permanently Affiliated to JNTUA, Anantapuramu)
Accredited by NAAC, Recognized under 2(f)&12(B) of UGC Act
Department of Computer Science and Engineering
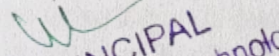
CIRCULAR

Date: 13-07-2018

We are happy to Inform to II B.Tech students that there is a one week Workshop on "Data Structures & algorithms" I.e from 16-07-2018 to 21-07-2018 . The resourse person is N.Gopi, Trainer, APSSDC. Hence all the students are informed to attend the workshop without fail.
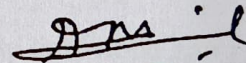
Venue: CSE seminar Hall.

Time: 10.00 AM.

HOD-CSE
HEAD
DEPARTMENT OF CSE
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

PRINCIPAL
Vemu Institute of Technology
P. KOTHAKOTA - 517 112

Copy To:

1. The Principal Desk.

2. The Staff In-charge.

3. To circulate among II B.Tech students.

4. To Notice Board.

VEMU INSTITUTE OF TECHNOLOGY::P.KOTHAKOTA

NEAR PAKALA, CHITTOOR-517112

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapuramu)

Department of Computer Science and Engineering
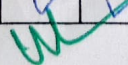
Data Structures Worshop Attendance (16-07-2018 to 21-07-2018)

S.No	Roll Number	Student Name	16-Jul	17-Jul	18-Jul	19-Jul	20-Jul	21-Jul	Signature
1	174M1A0501	A Sumiya	✓	✓	✓	✓	✓	✓	Sumiya
2	174M1A0502	A Thushitha	✓	✓	✓	✓	✓	✓	B A Thu
3	174M1A0503	Adivilaiahgari Lavanya	✓	✓	✓	✓		✓	A. Lava
4	174M1A0504	Agarapu Nikhitha	✓	✓	✓	✓	✓		A Nikh
5	174M1A0505	Anagallu Vinith	✓	✓	A		✓		vinith
6	174M1A0506	B Chandu Priya	✓		✓	✓		✓	B C Priya
7	174M1A0507	B Dileep	✓	✓	✓	✓	✓	✓	B. Dileep
8	174M1A0508	B Hareesh						A	Hareesh
9	174M1A0509	B Venugopal Reddy	A	A		✓		✓	B Venu
10	174M1A0510	Bala Nagaveni	✓	✓		A	✓	✓	B Nhu
11	174M1A0511	Bandollu Bhuvaneshwari	✓	✓	✓	✓	✓	✓	Bhu
12	174M1A0512	Bapanapalle Krishnababu	✓	✓	✓	✓	✓	✓	Kri
13	174M1A0513	Berangi Reena	✓	✓	✓	✓	✓	✓	Reena
14	174M1A0514	Bhogam Sandhya							Sandhya
15	174M1A0515	Bikkisetty Prasad	✓		✓		✓	✓	B. Prasad
16	174M1A0516	Bollineni Harika	✓	✓	✓	✓	✓	✓	Harika
17	174M1A0517	Bollineni Reddyprakash							B. Reddy
18	174M1A0518	Bottu Chandu Rao	✓	✓	✓	✓		✓	B Chandu
19	174M1A0519	C Hanisha	✓	✓	✓	✓	✓	✓	C. Hanish
20	174M1A0520	C Ishaq Basha	✓	✓	✓	✓	A	✓	Basha
21	174M1A0521	C Rajitha	✓	✓	✓	✓	✓	✓	Rajitha
22	174M1A0522	C Sowmya	✓	✓	✓		✓	✓	C. Sowmya
23	174M1A0523	Cherukuri Kavya	✓		A			✓	Kavya
24	174M1A0524	Chippili Gopalakrishna	✓			A	✓	✓	Kri
25	174M1A0526	D Yaswanth	✓	✓			✓	✓	Yaswan
26	174M1A0527	Doma Pavithra	✓	✓		✓	✓	✓	D. Pavit
27	174M1A0528	E Jyothsna	✓	✓	✓	✓	A	✓	E. Jyos
28	174M1A0529	E Vaishnavi	✓	✓	✓	✓	✓	✓	Vaishnavi
29	174M1A0530	E Rehana Begum	A	A	✓	✓	✓	✓	E. Reh Be
30	174M1A0531	G Lahari	✓	✓	✓	✓	✓	✓	Lahari
31	174M1A0532	G M Bhargav	✓	✓	✓	✓		✓	G M B
32	174M1A0533	G Mounika	A	✓	✓	A	✓	✓	Mounika
33	174M1A0534	G S Surekha Reddy	✓	A	✓	✓	✓	✓	Reddy
34	174M1A0535	G Sai Kumar	✓	✓	✓	✓	✓	✓	G Sai
35	174M1A0536	G Syed Abdullah	✓	✓	✓	✓	✓	A	Abdulla
36	174M1A0537	Gagguturi Abubakar	✓	✓	✓	✓	✓	✓	G. Abu
37	174M1A0538	G Mohammad Huzair	✓	✓	✓	✓	✓	✓	M Huzam
38	174M1A0539	Gali Dilliprasad Reddy	✓	✓		✓	✓	✓	Reddy
39	174M1A0540	Gorajala Prashanth	✓	✓	✓	✓	✓	✓	Prashanth

No	ID	Name							Signature
40	174M1A0541	Gudeli Yamini	✓	✓	✓	✓	✓	✓	Yamini
41	174M1A0542	K Pavan Kumar	✓	✓	✓	✓	✓	A	Pavan
42	174M1A0543	K Ritish Kumar	✓	✓	✓	✓	✓	✓	Ritish kuna
43	174M1A0544	Kadimpati Yuvarajulu	✓	✓	✓	✓	✓	✓	Rajulu
44	174M1A0545	Kalakata Revathi	✓	✓	✓	✓	A	✓	Revathi
45	174M1A0546	Kamasani Kavitha	✓	✓	✓	✓	✓	✓	Kavitha
46	174M1A0547	Kanchukomala Mounika	A	✓	✓	✓	✓	✓	b.Mounica
47	174M1A0548	Katam Komala	✓	✓	✓	✓	✓	A	Komala
48	174M1A0549	Kommineni Dharani	✓	✓	✓	A	✓	✓	Dharani
49	174M1A0550	Lebaku Lakshmi Reddy	✓	✓	✓	✓	✓	✓	Laksmi Reddy
50	174M1A0551	Likki Triveni	✓	✓	✓	✓	✓	✓	triveni
51	174M1A0552	Lingala Riteesh Reddy	✓	A	✓	✓	A	✓	Ravi
52	174M1A0553	M Bhavana	✓	✓	✓	A	✓	✓	Bhavana
53	174M1A0554	M Gowthami	✓	✓	✓	✓	✓	✓	M Gowthmi
54	174M1A0555	M Mahalakshmi	✓	✓	✓	✓	✓	✓	Maha
55	174M1A0556	M Niharika	✓	✓	✓	✓	✓	✓	Niharika
56	174M1A0557	M Prasad	✓	✓	✓	✓	✓	✓	M.Prasad
57	174M1A0558	M Preethi	✓	✓	✓	✓	A	✓	Preethi
58	174M1A0559	M S Bindu Priya	✓	✓	✓	✓	✓	✓	Bindu
59	174M1A0561	M Sivaiah	✓	✓	✓	✓	✓	✓	Sivaiah
60	174M1A0562	Modupalli Vaishnavi	✓	✓	✓	✓	✓	✓	vaishnavi
61	174M1A0563	Mallichetla Sumasree	✓	✓	A	✓	✓	✓	Sumasree
62	174M1A0564	M Bhanu Prakash	✓	✓	✓	✓	✓	✓	M.Bhanu
63	174M1A0565	Matam Bhavya	✓	✓	✓	✓	✓	✓	Bhav
64	174M1A0566	Matavalam Suma	✓	✓	A	✓	✓	✓	matavalamsuma
65	174M1A0567	Mavillapalle Hema	A	✓	✓	✓	✓	✓	Hema
66	174M1A0568	Melpadi Jeevithesh Sai	✓	✓	✓	✓	✓	✓	mjs
67	174M1A0569	Minchala Sivakrishna	✓	✓	✓	✓	✓	✓	Sivakrishna
68	174M1A0571	Mukkasa Venumadhav	✓	✓	✓	✓	✓	A	Venu madhav
69	174M1A0572	N Dhana Sekhar Reddy	✓	✓	✓	✓	✓	✓	Nasekhr Rep.
70	174M1A0573	N Sruthi	✓	✓	✓	✓	✓	✓	Sruthi
71	174M1A0574	Nagineni Rekha	✓	✓	✓	✓	✓	✓	Rekha
72	174M1A0575	P Boomika	✓	✓	A	✓	✓	✓	Boomika
73	174M1A0576	P Chethana	✓	✓	✓	✓	A	✓	Chethana
74	174M1A0577	P Gayathri	✓	A	✓	✓	✓	✓	Gayathri
75	174M1A0578	P Jyothsna Kumari	✓	✓	✓	✓	✓	✓	kusumi
76	174M1A0579	P Naveen	✓	✓	✓	✓	✓	✓	Naveen
77	174M1A0580	P Sravani	✓	✓	✓	✓	✓	✓	Sravani
78	174M1A0581	P Surekha	✓	✓	✓	✓	✓	✓	Surekha
79	174M1A0582	P V Diwakar Babu	✓	✓	✓	✓	✓	✓	P.V. Diw
80	174M1A0583	Palemshaik Azaruddin	✓	✓	A	✓	✓	✓	Azaddi
81	174M1A0584	Palyam Charankumar	✓	✓	✓	✓	✓	✓	Charankumar
82	174M1A0585	Palyam Manojkumar	✓	✓	✓	✓	✓	✓	Manojkumar
83	174M1A0586	P Sharathkumar Reddy	✓	✓	✓	✓	A	✓	Psharathkur.
84	174M1A0587	Pediveedu Sateesh	✓	✓	✓	✓	✓	✓	Sateesh
85	174M1A0588	P Jyothi Prakash Reddy	✓	✓	✓	A	✓	✓	P Jyothi prakesh Redd
86	174M1A0589	Ramisetti Reddytejaswini	✓	✓	✓	✓	✓	✓	tejaswini

PRINCIPAL
Vemu Institute of Technology
P. KOTHAKOTA - 517 112

No.	Roll No.	Name							Signature
87	174M1A0590	S Afrin	✓	✓	✓	✓	✓	✓	Afrin
88	174M1A0591	S Dharani							Dharani
89	174M1A0592	S Hema	✓	✓	✓	✓	✓	✓	Hema
90	174M1A0593	S Kavitha	✓	✓	✓	✓	✓	✓	S.Kavi
91	174M1A0594	S Roja Rani	✓	✓	✓	✓	✓	✓	Rojarani
92	174M1A0595	S Shobha	✓	✓	✓	✓	✓	✓	S.Shobha
93	174M1A0596	Saddala Udayasri	✓	✓	✓	✓	✓	✓	Udayasri
94	174M1A0597	S Vanitha	✓	✓	✓	✓	✓	✓	S.Vanitha
95	174M1A0598	Sanapureddy Siva Reddy	✓	✓				✓	Shaib?
96	174M1A0599	Shaik Suhel	✓	✓	A	✓		✓	Suhel
97	174M1A05A0	Sundar Rajan Nikhee	✓	✓	✓	✓		✓	Nikhee
98	174M1A05A1	Syed Mansoor	✓	✓	✓	✓		✓	Mansoor
99	174M1A05A2	Terala Purna Sindhu	✓	✓	✓	✓	✓	✓	cuddu
100	174M1A05A3	Thalari Thejesh	✓	✓	✓	✓	✓	✓	Th
101	174M1A05A4	Thoka Swathi	✓	A	✓	✓	✓	✓	Swathi
102	174M1A05A5	Thoti Indirapriyadarshini	✓	✓	✓	✓	✓	✓	Thotiindra
103	174M1A05A6	Tipirisetti Venkata Satya	✓	✓	✓	✓	✓	✓	Satya
104	174M1A05A7	V Balu	✓	✓	✓	✓	✓	✓	Balu
105	174M1A05A8	V Chandrika	A	✓	✓	✓	✓	✓	chandrika
106	174M1A05A9	V Girish Kumar	✓	✓	✓	✓	✓	✓	chandrika
107	174M1A05B0	V Kavitha	✓		A	✓	✓	✓	kavitha
108	174M1A05B1	V Kusuma	✓	✓	✓	✓	✓	✓	Kusuma
109	174M1A05B2	V Lohith Reddy	✓	✓	✓	✓	✓	✓	lohithreddy
110	174M1A05B3	Vajrala Arshiya	✓	✓	✓	✓	✓	✓	Arshiya
111	174M1A05B4	Vankayala Yogesh Kumar	✓	✓	A	✓	✓	✓	Yogeshkumar
112	174M1A05B5	Vathyaram Harish	✓	✓	✓	✓	✓	✓	Harish
113	174M1A05B6	Venkata Krishna Reddy M	✓	✓	✓	✓	✓	✓	Krishnareddy M
114	174M1A05B7	Vuppalapati Bhuvanesh	✓	✓	A	✓	✓	✓	vuppalapatiBhuva
115	174M1A05B8	Y Divya Sree	✓	✓	✓	✓	✓	✓	Divya
116	174M1A05B9	Y Gunasree	✓	✓	✓	✓	✓	✓	Gunasree

HOD HEAD
DEPARTMENT OF CSE
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

PRINCIPAL
Vemu Institute of Technology
P. KOTHAKOTA - 517 112

VEMU INSTITUTE OF TECHNOLOGY:P.KOTHAKOTA
NEAR PAKALA, CHITTOOR-517112
(Approved by AICTE, New Delhi & Permanently Affiliated to JNTUA, Anantapuramu)

Department of Computer Science and Engineering

REPORT

Event Type	Workshop
Title of the Event	Data Structures
Dates	16/07/2018 to 21/07/2018
Event Duration	6 Days(6*6 = 36 Hours)
Resource Persons	N.Gopi,Trainer,APSSDC
Venue	Lab-I and Lab-II,CSE Seminar Hall
Benefited Audience	II B.Tech Students
Number of Students Attended	116
Description about the Event	Data structures

Department of Computer Engineering has organized Six day Workshop on "Data structures". At 10.30 am all 2nd CSE Students, gathered in seminar hall. The program was started with the welcome speech by HOD, Resource person Introduction was given M.Bindu. The Session has been started by **N.Gopi** giving overview on Data structures and its types along with the implementation with C Programming.

The main objective of the workshop is To understand importance of data structures in context of writing efficient programs.

The Schedule is as follows:

Day Wise	Hours	Topics
Day1	2hr	Introduction to Computers and Programming
		Writing your first program
	2hr	Variables and operators and expressions
		Variable declarations, more operators, precedence
	2hr	Input, Output Statements
		Conditionals
Day2	1hr	Loops
	2hrs	Arrays and Multidimensional arrays
		Pointers
	3hr	Functions
Day3	2hrs	File I/O
		Strings
	1hr	Polynomial evaluation and multiplication
	3hr	Searching: Linear and Binary
Day4	3hr	Sorting I: Insertion, Merge

PRINCIPAL
Vemu Institute of Technology
P. KOTHAKOTA - 517 112

VEMU INSTITUTE OF TECHNOLOGY:P.KOTHAKOTA
NEAR PAKALA, CHITTOOR-517112
(Approved by AICTE, New Delhi & Permanently Affiliated to JNTUA, Anantapuramu)

Department of Computer Science and Engineering

		Sorting II:Quick, Radix
	2hr	Finding i-th smallest number
		Structures and User-defined data types
	1hr	Data Structures: Abstract Data Type
Day5	1hr	Lists
	1hr	Stacks: Last In First Out
	1hr	Queues: First In First Out
	2hr	Trees
	1hr	Tree traversal
Day6	2hr	Heaps
	2hr	Graphs and Representation
	2hr	Greedy algorithms

The session was interactive and madam has clarified all the doubts raised by students. Finally the program was ended with giving vote of thanks by Workshop coordinator.

Photos	
Outcomes	a) Understand the concept of Dynamic memory management, data types, algorithms, Big O notation. b) Understand basic data structures such as arrays, linked lists, stacks and queues. c) Describe the hash function and concepts of collision and its resolution methods d) Solve problem involving graphs, trees and heaps

INCHARGE

PRINCIPAL
Vemu Institute of Technology
P. KOTHAKOTA - 517 112

HOD-CSE

HEAD
DEPARTMENT OF CSE
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112