ELE

ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES
(UGC AUTONOMOUS)
(Affiliated to AU, Approved by AICTE &Accredited by NBA)
Sangivalasa-531162, Bheemunipatnam Mandal, Visakhapatnam Dt.
Phone: 08933- 225084.226395

19.03.2019

To

The Principal
ANITS
Sangivalasa

Sub: Regarding CCC Training for current 3rd year students – Request for Labs

Respected Sir,

In view of the placements for the 2020 batch (current 3rd years), we are planning for CCC training program in the month of April and June in two phases. The two phases involve two different training modules for students. In this regard, we request you to provide CPNM & Sales Force labs to accommodate 150+ students from ECE for smooth conduction of training.

Stage	Dates of Training	No. of Students
Phase – I	24th April to 01th May 2019	150+ students

This is for your kind information, Sir. Please do the needful

Thanking you sir,

Dr.V.Rajya Lakshmi
Prof & HOD, ECE
Head of the Department
Department of E C E
Anil Neerukonda Institute of Technology & Sciences
Sangivalasa-531 162

Problem Solving through Coding

Course Objectives:

Syllabus

❖ Implement Advanced problem solving approaches to solve computational problems
❖ The course shall turn the learner into a good problem solver.

Learning Outcomes: Learners will be able to :

❖ Solve problems using programming.
❖ Learn and use the Advanced coding applying problem solving skills.
❖ Perform iterative/recursive methods to find the solution of system of linear equations.
❖ Write codes for problems using elementary data structures Arrays/Linked lists.
❖ Code solutions using advanced data-structures like trees, graphs and trie.
❖ Implement advanced algorithmic solutions for Greedy and Dynamic Programming

Phase – 1

Day 1

(Theory): *Expression evaluations*   (3 hours)

Coding Essentials, Program Execution Steps, Tokens of a coding language, Data Representation, Input Format, Output Format, Escape Sequence Characters, Expression Evaluation, Arithmetic Operations, Assignment Operations, Relational Operations, Logical Operations, Bitwise Operations, Ternary Operations, Increment Operations, Decrement Operations, Special Operators usage, Example Problems

(Practice):   (3 hours)

Programs include coding for basic math expression evaluations. Implement codes to understand operators precedence and associativity.

Day 2

(Theory): *Control Structures*   (3 hours)

Control Structures, Branching, If statement, If-Else statement, Else-If Ladder, Nested If, Loops, While Statement, Nested while statement, do while statement, for statement, nested for statement, Switch-case statement, Branching Un-Conditional, goto statement, break statement, continue statement, return statement

Introduction to Time Complexities, Analyzing the code, Consecutive Statements, Conditional Statements, Loop Statements, Square root Complexities, Logarithmic Complexities, Exponential Complexities, Examples

(Practice):   (3 hours)

Coding for Control structure evaluations, Generating Patterns, Number series,

Day 3

(Theory): *Linear List Data*   (3 hours)

Introduction to Linear data, Subscript of an array, Representing the array data, Insert values into an array, Print the values of an array, print the values of an array in reverse, Find an element in an array, Find the Max element in an array, Find the min element in an array, Print the sum of the elements of an array, Print the sum of positive elements of an array, Print the leaders in an array, Introduction to 2D Array, 2D Array Subscript, RMO & CMO Representation, Matrix Problems

(Practice):   (3 hours)

Basic list data problems, classical problems on arrays, matrix data evaluations

Day 4

(Theory): Pointers and strings   (3 hours)

Introduction to Pointers, Pointer Variable, Pointer Arithmetic, Pointer to an array, Pointer to a String, Memory Layout, Runtime memory allocation, Stack memory Vs Heap memory, Array Vs Pointer Array, Array Vs Pointer

Introduction to String Data, User defined string handling methods, String handling functions in string.h

(Practice):   (3 hours)

Pointer indirection, String evaluation problems.

Day 5

(Theory): Functions-Recursions   (3 hours)

Introduction to Modular Programming, Function Terminology, Inter Function communication, call-by-value and call-by-reference, passing an array, returning a pointer, Dangling pointing & Memory leak, Global Vs. Local data space, Storage classes

Introduction to Recursion, Recursive nature, Recursion evaluation methods, Head and Tail recursion, Iteration Vs Recursion, Recursion Analysis, Evaluating a recurrence relation, Time Analysis, Examples

(Practice):   (3 hours)

Programs include coding using functions, Programs replacing iteration with recursion for finding factorial/Fibonacci series etc .

Day 6

(Theory): Problem Solving strategies   (3 hours)

Introduction to User-Defined data, Structures, Arrays within Structures, Array of Structures, Nested Structures, Unions, Structure Vs Union, Structure padding, Enumeration,

Standard Storage, File Storage, File Access Methods, File Functions

Problem solving strategies: Draw Pictures, Naming the data, Systematic strategy, Trying Simpler Problem, Mapping the new problem to an old one.

(Practice):   (3 hours)

Review problems essential to Advanced Coding.

ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES

(Autonomous approved by UGC, AICTE, Affiliated to Andhra University & Accredited by NBA, NAAC with 'A' Grade 'A')

Sangivalasa-531162, BheemunipatnamMandal, Visakhapatnam Dt.

Phone: 08933- 225084,226395

Website: www.anits.edu.in

e-mail: Principal@anits.edu.in

ANITS

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CCC Training Program Students list – PHASE –I(2020 Batch)

List of students attended

S.No	AdmnNo	StudentName
1	316126512001	Abdul Rehman
2	316126512002	CHIDAGAM MOUNIKA
3	316126512003	DINESH KUMAR ARNIPALLI
4	316126512004	BARRE DEVA HARSHITHA
5	316126512005	BATTULA SOWMYA
6	316126512006	BAYYAPU AMRUTHA VARSHINI
7	316126512010	CHINTA SHALINI
8	316126512011	CHINTAKAYALA NALANDA
9	316126512012	CHUKKA APARANJITHA
10	316126512019	GIDUTURI YESHWANTH
11	316126512020	GORTY SREE LALITHA
12	316126512021	SALAPAKA MANASA
13	316126512022	GULLIPALLI JYOTHI PRAKASH
14	316126512023	GANDI SAI NIKHITHA
15	316126512024	YaswanthSanapalli
16	316126512025	KANUMURI NIKHIL
17	316126512027	KEERTHI PAVAN SIVA GANESH
18	316126512028	KOTHAPALLI MADHULIKA
19	316126512030	MADDI PRASANNA MADHURI SAI
20	316126512031	M SATYA SAI NAGA KSHETRA SREE
21	316126512032	MANAPURAM VENKATA SAI NIKHILA
22	316126512033	MANDALA VASAVI
23	316126512035	MOKA HITESH NARAYAN
24	316126512038	DUMPA KASI VISHWANADHAM
25	316126512039	NETHALA GREESHMA
26	316126512040	NIDADAVOLU NIHARIKA
27	316126512047	PRADEEP VEPADA
28	316126512048	RAVADA SAI MANI
29	316126512050	K VENKATA RATNAVATHI
30	316126512051	ShaikRiyazBasha
31	316126512052	SIVAKOTI SAGAR
32	316126512054	Korada Raja
33	316126512055	VendraSaiSandeep
34	316126512057	SaiMahidharVukkem
35	316126512058	YANDI ABHISHEK NATHANIEL
36	316126512059	YEEDA SAI MAHIDHAR
37	316126512061	ADIBHATLA PRATYUSHA

38	316126512062	AGASTYA VENKATA SAI MOULI
39	316126512063	AGNIHOTRAM SAI BHARGAVI
40	316126512064	ANGA LAVANYA
41	316126512065	BANDARU DIVYA
42	316126512066	BATCHU SURESH KUMAR
43	316126512067	B NIKHIL KRISHNA REDDY
44	316126512072	DASARI TARUN RAM SAI
45	316126512073	DEVAVARAPU PAVAN
46	316126512074	ELLAPU MOUNIKA
47	316126512075	GADDE SAHITYA
48	316126512077	GUNURU SUHITHA SAI
49	316126512078	GUTTIKONDA ROHITHA
50	316126512079	JADA SHANMUKH RAO
51	316126512080	JALUMURU SWATHI
52	316126512083	KOLLI PREETHI
53	316126512085	KONA PHEBE VINOLIA
54	316126512086	KORLA SINDHUJA
55	316126512088	LagaduSaiteja
56	316126512090	LOYA VAMSI KRISHNA YADAV
57	316126512091	MADUGULA JYOTSHNA
58	316126512092	MANDA SATISH RAJ
59	316126512094	GORLE MADHAVI
60	316126512095	MOKULA ASHA JYOTHI
61	316126512098	NAIK SHIVA RAJ
62	316126512099	N GAYATRI SAMYUKTHA YADAV
63	316126512100	NIMUSHAKAVI SAI HARSHITHA
64	316126512102	PADMANABHUNI MADHU KIRAN
65	316126512103	PEMMADA PRAVEEEN VARMA
66	316126512104	PENKE HARSHA VARDHAN
67	316126512105	POTHURAJU SUDHEER KUMAR
68	316126512106	POTNURU SANDHYA
69	316126512107	SABBELLA PAVAN SRINIVAS REDDY
70	316126512108	SAI KAUSTHUBH POLAVARAPU
71	316126512109	SAI SRINIVAS SIRIMISETTI
72	316126512110	VINAY KUMAR SAMMANGI
73	316126512111	SANGEETHA BISAI
74	316126512112	SIDDHARTH PRADHAN
75	316126512115	ETCHERLA KESAVA RAO
76	316126512116	VAKA SREE PREETHI
77	316126512117	VAKADA MOHAN SAI VAMSI
78	316126512120	YALAMATI SAMYUKTHA MARY
79	316126512121	ABDUL IRFAN
80	316126512122	ADDAGARLA SAI KRISHNA
81	316126512123	AFREEN FIRDAUS MOHAMMED
82	316126512124	ALLADA TARUN KUMAR
83	316126512125	A DINESH VENKATA SAI KUMAR
84	316126512126	BADE SRAVAN KUMAR
85	316126512127	BANDARU BHASKAR

86	316126512128	DHARMA PRANEETH BANDARU
87	316126512130	CHINTHAPANTI LOKESH
88	316126512131	DANGETI CHANDRA MOULI
89	316126512132	DANTULURI SAMYUKTHA
90	316126512133	DUMPA YOGESH REDDY
91	316126512134	GOKARAKONDA MONIKA
92	316126512136	G P VENKATA SANTOSH KUMAR
93	316126512137	ISTARALA HADASA PREETHI
94	316126512138	ISWARABHOTTLA ARAVIND SASTRY
95	316126512139	J ATCHUTA SANTOSH SAMPREETH
96	316126512140	JONNADA SV SAI KIRAN
97	316126512141	KANDARPA SAI NAVEEN
98	316126512142	KARRA SAI KALYAN
99	316126512143	KARRI SAI SWAPNIKA
100	316126512144	KAVALA ESWAR VENKAT
101	316126512145	KILARI SRI GOWRI
102	316126512146	KODURU KARTHIK
103	316126512147	KOTHA SATYA VENKATA MADHAV
104	316126512148	TARUN LAGUDU
105	316126512149	VANDANA MACHARLA
106	316126512150	MALLA VINETHRA NAIDU
107	316126512151	MANASA MYLAPALLI
108	316126512152	MASUPATHRI SHIVA
109	316126512153	MULAKALAPALLI DIVYA SRI
110	316126512154	MUTYALA VENKATA SATYA TEJA
111	316126512156	NALAMETI TEJAWINI
112	316126512157	VAMSI RAMAKRISHNA NETINTI
113	316126512158	PARITALA ASHA SRIKAR
114	316126512159	PEDADA ANUSHA
115	316126512161	POOSARLA SONIA
116	316126512162	PUTHETI VAMSI KRISHNA
117	316126512163	R VIJAYA VENKAT SAI SIVA KUMAR
118	316126512164	RAPETI ROOPADEVI
119	316126512165	R JAYENDRA VENKATA YADAV
120	316126512167	SAMBANGI PRATAP
121	316126512169	SILLA SUPRIYA
122	316126512170	SIMMA NAVEEN KUMAR
123	316126512171	TEMBURU PAVAN
124	316126512172	TULAGAPU SARATH KUMAR
125	316126512173	U VENKATA SATEESH VARMA
126	316126512174	UPPILI HIMA KIRAN
127	316126512175	VALLAMSETTI PAVAN KALYAN
128	316126512177	VUPPALA MEGHANA
129	316126512178	YANGALA SUJITHA
130	316126512179	YELLETI SRAVYA
131	316126512180	YENDRU GAYATHRI DEVI
132	316126512181	RAJANA LAHARI
133	316126512182	MICHERLA PAVAN KUMAR

134	316126512184	GARIKINA SAI BHAVANI
135	316126512186	KADA SUDHEER
136	316126512187	SARAGADAM BALA VIKASH
137	316126512189	PYLA KISHORE
138	316126512190	BANTUPALLI GANESH
139	316126512192	MADAKA MOUNIKA
140	316126512193	SONTYANA RUBY RAGHAVA
141	316126512194	SEELI KAMALA KUMAR
142	316126512195	KORLAM HARANADHA RAO
143	316126512196	GONDHESI VASANTHI
144	316126512197	BEESETTY BHANU JAGADEESH
145	316126512198	K JOGENDRA MANOK KUMAR
146	316126512200	MURAPAKALA NAVEEN
147	316126512201	YARRA SANTHOSH KUMAR
148	316126512202	VALLURI RAMA RAO
149	316126512203	TANAKALA MADAN MOHAN
150	316126512204	CHITIKELA SIRISHA
151	316126512206	VANAPALLI BHARGAV
152	316126512207	GANGIREDDY GAYATRI
153	316126512209	SUVARAPU SOWJANYA
154	316126512210	PAILA PAVANI
155	316126512212	PATTIPATI TIRUMALA
156	316126512213	KUNUKU RADHIKA

Dr.V.Rajya Lakshmi
Prof. & HOD, Dept. of ECE
Head of the Department
Department of E C E
Anil Neerukonda Institute of Technology & Scienc
Sangivalasa-531 162