



CBIT Coding School and CDC

13.01.2022

A Brief Report on the preplacement training programme held online

CBIT Coding School and CDC has organised Preplacement training for UG V Semester students of EEE, Mechanical, Production, Civil, Chemical and Biotech students in online mode. The Objectives of the In house training session are as follows:

1. To make students familiarise with Computer Science topics relevant to Campus placements in Software Industry
2. To introduce Object Oriented Programming features through Python Programming
3. To revise concepts of C Programming
4. To enable students to prepare for InfyTQ Certification.

The courses to be covered for the students of EEE, Mechanical, Production, Civil, Chemical and Biotech are as follows:

| S.No | Topic | No. of Hours |
|------|---------------------------------|--------------|
| 1. | Programming in 'C'(C) | 20 |
| 2. | Python Programming (P) | 12 |
| 3. | Data Structures (D) | 12 |
| 4. | Database Management Systems (B) | 9 |
| 5. | Operating Systems (O) | 7 |

Detailed Time Table for the training is as follows:

| S.No | Semester | | 09:10 to 10:10 | 10:20 to 11:20 | 11:30 to 12:30 | 01:00 to 02:00 | 02:10 to 03:10 | 03:20 to 04:20 |
|------|------------|-----------|----------------|----------------|----------------|----------------|----------------|----------------|
| 1. | 29.11.2021 | Monday | B1-RK | C1-PVM | O1-USR | C2-DJ | B2-BS | C3-PVM |
| 2. | 30.11.2021 | Tuesday | O2-RGR | C4-DJ | B3-RK | C5-PVM | O3-USR | B4-BS |
| 3. | 01.12.2021 | Wednesday | B5-RK | P1-MT | O4-USR | C6-PVM | C7-GKK | P2-MT |
| 4. | 02.12.2021 | Thursday | P3-RSV | C8-GKK | P4-RSV | C9-GKK | P5-KK | D1-PVS |
| 5. | 03.12.2021 | Friday | B6-RK | D2-PVS | P6-KK | C10-GKK | C11-DJ | D3-PVS |
| 6. | 04.12.2021 | Saturday | D4-PVS | C12-GKK | O5-USR | P7-TS | C13-DJ | P8-TS |
| 7. | 06.12.2021 | Monday | D5-PVS | P9-RSV | C14-DJ | O6-RGR | P10-RSV | D6-SR |
| 8. | 07.12.2021 | Tuesday | D7-RM | P11-KK | B7-RK | C15-DJ | P12-KK | C16-NS |
| 9. | 11.01.2022 | Wednesday | D8-RM | C17-NS | D9-SR | O7-RGR | C18-NS | D10-SR |
| 10. | 12.01.2022 | Thursday | C19-NS | D11-SR | B8-BS | C20-NS | D12-SR | B9-BS |

Resource person details are as follows:

| S.No | Course | Name of the Faculty | Faculty Code | Phone | Email-id | Slots |
|------|------------------------|---------------------|--------------|------------|--|------------------|
| 1. | Python Programming (P) | Dr M Trupthi | MT | 9849295395 | mtrupthi_it@cbit.ac.in | P1, P2 |
| | | Mr RS Venkat | RSV | 7893286916 | saivenkatr_it@cbit.ac.in | P3, P4, P9, P10 |
| | | Mr K.Karthik | KK | 9640462222 | karthikk_cse@cbit.ac.in | P5, P6, P11, P12 |

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|----|------------------------------------|---------------------------|-----|------------|--|----------------------------|
| | | Ms T.Susmitha | TS | 9502150355 | susmithat_cse@cbit.ac.in | P7, P8 |
| 2. | Data Structures and Algorithms (D) | Mr Rakesh Salakapuri | SR | 9951397356 | srakesh_it@cbit.ac.in | D6, D9, D10, D11, D12 |
| | | Mr P. Vasanth Sena | PVS | 9704646320 | vasanthasena_it@cbit.ac.in | D1, D2, D3, D4, D5 |
| | | Dr. Rupesh Mishra | RM | 9716935695 | rupeshmishra_cse@cbit.ac.in | D7, D8 |
| 3. | DBMS (B) | Mr B.Sateesh | BS | 9866801591 | bsateesh_cse@cbit.ac.in | B2, B4, B8, B9 |
| | | Mr K. Rajesh Kannan | RK | 9944836316 | rajeshkannan_it@cbit.ac.in | B1, B3, B5, B6, B7 |
| 4. | OS (O) | Mr U.Sai Ram | USR | 8143364133 | usairam_it@cbit.ac.in | O1, O3, O4, O5 |
| | | Mr R. Govardhan Reddy | RGR | 8886161630 | rgovardhanreddy_it@cbit.ac.in | O2, O6, O7 |
| 5. | Programming in 'C' | Mr D. Jayaram | DJ | 9440080590 | djayaram_it@cbit.ac.in | C2, C4, C11, C13, C14, C15 |
| | | Mr N. Shiva | NSS | 8008832804 | shivakumarn_it@cbit.ac.in | C16, C17, C18, C19, C20 |
| | | Ms P.Vimala Manohara Ruth | PVM | 9849853963 | vimalamanohararuth_cse@cbit.ac.in | C1, C3, C5, C6 |
| | | Dr. G. Kiran Kumar | GKK | 9440759766 | gkiran_cse@cbit.ac.in | C7, C8, C9, C10, C12 |

No of Students Registered from different Departments:

| EEE | Mechanical | Production | Civil | Chemical | Biotech | Total |
|-----|------------|------------|-------|----------|---------|-------|
| 44 | 77 | 03 | 10 | 12 | 11 | 157 |

No. of Sessions handled by each faculty in each module for UG EEE, Mechanical, Production, Civil, Chemical & Biotech students are as follows:

| S.No | Course | Name of the Faculty | Topics covered |
|------|------------------------|---------------------|--|
| 1 | Python Programming (P) | Dr M Trupthi | Introduction to Programming |
| | | Mr RS Venkat | Control Structures, Debugging, Functions, Exception Handling, Recursion, Code Organization |
| | | Mr K.Karthik | Collections, OOPs Concepts |
| | | Ms T.Susmitha | Collections, Functions |

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|---|------------------------------------|-----------------------|---|
| 2 | Data Structures and Algorithms (D) | Mr Rakesh Salakapuri | Queue, Hashing and HashTable, Search Algorithms, Sort Algorithms |
| | | Mr P. Vasanth Sena | Introduction to Data Structures and Algorithms, Arrays and Linked List, Stack |
| | | Dr. Rupesh Mishra | Non-Linear DataStructures |
| 3 | DBMS (B) | Mr B.Sateesh | SQL Basics, DML statements, Co-relation subquery, Blocks, cursors, procedures, functions , triggers |
| | | Mr K. Rajesh Kannan | Introduction to DBMS, DDL statements, SQL functions, sorting and grouping data, Joins, Sub query and independent sub query |
| 4 | Programming in 'C' | Mr D. Jayaram | Data types, I/O statements, operators, if-else-if, nested if else statements, switch case, 2-D arrays,matrix operations searching-Linear, Binary, sorting -Selection, Insertion bubble sort,examples using operators |
| | | Mr N. Shiva | Pointers Introduction, sample programs using pointers, difference between structures and unions and sample, programs, creating and writing into files, reading from files, appending |
| | | Ms PVM Ruth | Structure of C program, Character Set, Identifiers, Variables, Constants, Keywords, precedence and associativity, if statement, if else, while loop, do-while loop, for loop, nested loops |
| | | Dr. G. Kiran Kumar | uses of functions, Function definition, declaration, passing parameters to functions, recursion with examples, scope of variables and storage classes, declaration of arrays, accessing and storage of array elements, 1-dimensional array, Strings representation, string operations with examples |
| 5 | OS (O) | Dr. R.Ravinder Reddy | Threads, CPU Scheduling, Scheduling algorithms Scheduling algorithms, FCFS, SJF, Priority, RR, Preemptive and non preemptive scheduling, Memory management, Fragmentation, Contiguous allocation, Paging, Segmentation, Virtual memory, TLB , Thrashing |
| | | Ms Kavita Agarwal | Page Replacement Algorithm, Necessary Conditions for Deadlock, RAG, Deadlock Handling Techniques, Process Synchronization-Race Condition, Critical Section Problem, Peterson Solution, Semaphore, Solution of classical problems of synchronization, Disk Scheduling Algorithms |
| | | Mr R. Govardhan Reddy | Basics of OS, History, Services, OS structure, Process, State Diagram, PCB |



T Prathima
Coordinator
CBIT-Coding School



Prof. NLN Reddy
Director, CDC,
CBIT



Prof. P Ravinder Reddy
Principal, CBIT