



**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
(AUTONOMOUS)**

(An ISO:9001-2015 Certified Institution)

Recognized by UGC under Section 2(f) & 12(B) and Accredited with NBA (EEE,ECE,CSE & CIVIL) & NAAC with 'A' Grade

An Engineering College sponsored by BHARATHI EDUCATIONAL SOCIETY

APPROVED BY AICTE, NEW DELHI

VIDYANAGAR, PRODDATUR-516 360, KADAPA Dt., A.P.

DS -BOS MINUTES OF THE MEETING

The First Minutes of the Meeting of BOS for the CSE [DATA SCIENCE] Department in a blended mode was held on 11 October 2022 at 02.00 P.M to 04:00 P.M for the Academic year 2022-2023 in the Training & Placement Laboratory to discuss the Agenda notified earlier.

The following members were present by joining through the Google Meet link which was sent to their respective mail id's .

Google Meet link:- <https://meet.google.com/nvu-ybfz-yni>

BOS Members committee for Department of CSE [DATA SCIENCE]

S.No.	Name	Designation	Category
1	Mr. G. Sreenivasa Reddy	Head, Department of DATA SCIENCE, Chaitanya Bharathi Institute of Technology, Proddatur	Chairman
2	Dr. P. Chenna Reddy	Professor of CSE Research & Development, JNTUA College of Engineering, Anantapur, Anantapuram.	External Subject Expert
3	Dr. Madhu Muthyam	Professor, Department of CSE IIT Madras, Chennai (TN)	External Subject Expert
4	Dr. C. Naga Raju	Principal & Professor in CSE, YSR Engineering College of YVU, Yogi Vemana University, Proddatur, YSR Kadapa, AP.	External Subject Expert
5	Mr. Y. Sreedhar	Assistant Professor, Department of CSE,TPO Chaitanya Bharathi Institute of Technology, Proddatur.	Internal Subject Expert
6	Sri K. Sreenivasa Ramanujam	Delivery Partner AWS Data Integration, TCS, Bangalore	Industry Member
7	Ms.C.Sarayu	Software Engineer DBS Technology Service India Pvt. Ltd.	Alumni

Proceedings:

The First Meeting of the CSE [DATA SCIENCE] BOS with its newly constituted members for the Academic year 2022-2023 started at 02.00 P.M. under the Chairmanship of Mr. G. Sreenivasa Reddy, HOD, CSE-DATA SCIENCE Department. Initially the Coordinator gave a warm welcome to all the members present. Afterwards the board of studies meeting followed, by taking the agenda into considerations

AGENDA:

1. Seeking advices for smooth implementation of Autonomous.
2. Discussion on course structure and syllabi of Ist Semester
3. Discussion on course structure and syllabi of IInd Semester
4. Any other matter with the permission of the chair

Resolutions Passed:-**Item No:1 Seeking advices for smooth implementation of Autonomous.**

The experts has given valuable inputs for the smooth implementation of the autonomous system and its department.

Item No:2 Discussion about the new syllabus of 1st semester

The expert members had gone through the 1st semester syllabi and recommended some updations.

1.Dr.P.Chenna Reddy Recommended C Programming and Data Structures text book should be recent edition.

2.Dr.C.Naga Raju Recommended reduce the Binary Tree concepts.

-The Suggestion is accepted and implemented

Approved course structure is attached to the file Annexure1.

Item No:3 Discussion about the new syllabus of 2nd semester

The expert members had gone through the 2nd semester syllabi and subjects has been discussed with approved credits.

Item No:4 Any other matter with the permission of the chair

The Chairman observed that all the members had contributed immensely for the discussion of above resolution and finalizing the syllabus of Ist semester, 2nd semester of B.Tech and also guided faculty members for the smooth running of autonomous status. The meeting concluded with the Chairman thanking all the subject experts.

Virtual Meet held on 11 October 2022 @ 02:00 PM

cbit cse is presenting

CBIT C Programming Syllabus

Unit - I 06 Hours
Overview of Computers and Programming - Electronic Computers then and Now, Block diagram of Computer, Computer Hardware, Computer Software, Computer Languages, Algorithm, Flowcharts, Software Development Method, Applying the Software Development Method.

Unit - II 09 Hours
Introduction to C Language: Basic Structure of C Programs, C Language Elements, Variable Declarations and Data types, Executable statements, Operators and Expressions, Type Conversion, Decision statements: The if Statement, the if-else statement, the nested if-else statement, the break statement, the continue statement, exit, the switch statement, Loop control statements: the for loop, Nested for loop, while loop, do-while.

Unit - III 10 Hours
Arrays - Introduction, one-dimensional arrays, declaration of one-dimensional arrays, Two dimensional arrays, initializing two-dimensional arrays, Multidimensional arrays.

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cbit cse is presenting

CBIT C Programming Lab Syllabus

Exercise-6
a) Write a program to generate Pascal Triangle.
b) Write a C program to construct a pyramid of numbers.
c) Construct a program which finds the kth smallest number among the given list of numbers.

Exercise-7
a) Write a program to read two matrices and print their sum and product in the matrix form.
b) Write a program to read matrix and perform the following operation:
i) Find the sum of Diagonal Elements of a matrix.
ii) Print Transpose of a matrix.
iii) Print sum of even and odd numbers in a given matrix.

Exercise-8
a) Swapping of two numbers using call by value and call by reference.
b) Write C programs that use both recursive and non-recursive functions
i) To find the factorial of a given integer.
ii) To find the GCD (greatest common divisor) of two given integers.

Exercise-9
a) Write a Program to perform different arithmetic operations using pointers.
b) Write a program to find sum of all elements of an array using array name as pointer.
c) Write a program to call a function using pointers.

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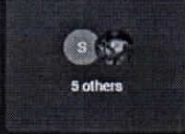

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cbit cse is presenting



Data Structures Lab Syllabus

7. Write a C program that uses functions to perform the following operations on circular linked list: (i) Creation (ii) Insertion (iii) Deletion (iv) Traversal.
8. Write a C program that Uses Stack Operations to Convert Infix expression into Postfix expression.
9. Write a C program that Uses Stack Operations to Evaluate the Postfix expression.
10. Write a C program that uses functions to perform the following (i) creating a binary tree of Integers (ii) Traversing the above binary tree in preorder, inorder and post order.
11. Write a C program that uses functions to perform the following operations on Binary search Tree: Creation (ii) Insertion (ii) Deletion
12. Write a program that implements the following sorting method to sort a given list of integers in ascending order (i) Quick sort (ii) Merge sort

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IT Workshop Lab Course Objectives and Course Outcomes


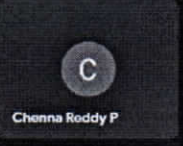


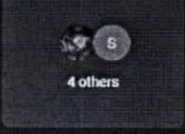

Course Objectives:

This course is designed to:

- To make the students know about the internal parts of a computer.
- Assembling and dissembling a computer from the parts.
- Installing the Microsoft operating system
- To provide Technical training to the students on Productivity tools like Word processor, Spreadsheets, Presentations.
- To learn about Networking and security of computers and use Internet facility for Browsing and Searching.

Course Outcomes:

- Disassemble and Assemble a Personal Computer and prepare the computer ready to use.
- Prepare the Documents using Word processor and Prepare spread sheets for calculations, using excel.
- Prepare Slide presentations using the presentation tool.
- Interconnect two or more computers for information sharing.
- Access the Internet and E



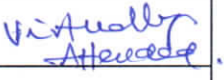
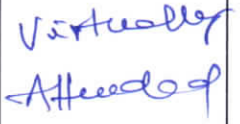











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Members Present

S.No.	Name	Designation	Category	signature
1	Mr. G. Sreenivasa Reddy	Head, Department of DATA SCIENCE, Chaitanya Bharathi Institute of Technology, Proddatur	Chairman	
2	Dr. P. Chenna Reddy	Professor of CSE Research & Development, JNTUA College of Engineering, Anantapur, Anantapuram.	External Subject Expert	
3	Dr. Madhu Muthyam	Professor, Department of CSE IIT Madras, Chennai (TN)	External Subject Expert	
4	Dr. C. Naga Raju	Principal & Professor in CSE, YSR Engineering College of YVU, Yogi Vemana University, Proddatur, YSR Kadapa, AP.	External Subject Expert	
5	Mr. Y. Sreedhar	Assistant Professor, Department of CSE, TPO Chaitanya Bharathi Institute of Technology, Proddatur.	Internal Subject Expert	
6	Sri K. Sreenivasa Ramanujam	Delivery Partner AWS Data Integration, TCS, Bangalore	Industry Member	
7	Ms. Sarayu	Software Engineer, DBS Technology Service India Pvt Ltd	Alumni	


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Vidyanagar, PRODDATUR, Y.S.R. (Dt.) A.R-516000

Annexure :I

(Course Structure & Syllabi)

I B. Tech – I Semester

Sl. No.	Course Code	Course Title	Contact Periods per week				Credits	Scheme of Examination Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
1.	22E00101T	Linear Algebra & Multivariable Calculus	3	-	-	3	3	30	70	100
2.	22E00102T	Engineering Chemistry	3	-	-	3	3	30	70	100
3.	22E00103T	Communicative English	3	-	-	3	3	30	70	100
4.	22E03101T	Engineering Mechanics	3	-	-	3	3	30	70	100
5.	22E05101T	C Programming and Data Structures	3	-	-	3	3	30	70	100
6.	22E00102L	Engineering Chemistry Lab	-	-	3	3	1.5	30	70	100
7.	22E00103L	Communicative English Lab	-	-	3	3	1.5	30	70	100
8.	22E05101L	C Programming and Data Structures Lab	-	-	3	3	1.5	30	70	100
Total:			15	-	09	24	19.5	240	560	800

I B. Tech – II Semester

Sl. No.	Course Code	Course Title	Contact Periods per week				Credits	Scheme of Examination Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total Marks
1.	22E00201T	Differential Equations & Vector Calculus	3	-	-	3	3	30	70	100
2.	22E00104T	Engineering Physics	3	-	-	3	3	30	70	100
3.	22E03102T	Engineering Drawing	2	-	2	4	3	30	70	100
4.	22E05202T	Advanced Data Structures	3	-	-	3	3	30	70	100
5.	22E02102T	Basic Electrical and Electronics Engineering	3	-	-	3	3	30	70	100
6.	22E00104L	Engineering Physics Lab	-	-	3	3	1.5	30	70	100
7.	22E03201L	Engineering & IT Workshop Lab	-	-	3	3	1.5	30	70	100
8.	22E05202L	Advanced Data Structures Lab	-	-	3	3	1.5	30	70	100
9	22E00101MC	Environmental Science	2	-	-	2	0	30	--	30
Total:			14	-	11	25	19.5	240	560	800