



## Department of Computer Science and Engineering

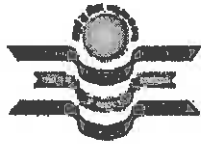
### List of Value Added Courses

**A.Y: 2022-23**

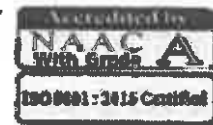
S. No	Name of The Course	Dates	Year	No. of Students Attended
1	TCS NQT	18-8-22 to 13-8-22	III B. Tech	186
2	Data Structures using java and C	12-4-23 to 6-5-23	III B. Tech	205
3	C and Java Programming	06.02.2023 to 04.03.2023	III B. Tech	206
4	Data Structures using Python	28-11-22 to 21-12-22	II B. Tech	215
5	Data Structures using Python and C	22-8-22 to 1-9-22	IV B. Tech	186
6	Python Training	13-7-22 to 6-8-22	IV B. Tech	186
7	Python Training	12-9-22 to 1-10-22	III B. Tech	206

**Signature of Coordinator**

**Signature of HOD**



DVR & Dr. HS  
**MIC College of Technology**  
**AUTONOMOUS**  
 (Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)  
 Kanchikacherla-521180, NTR Dist, A.P, India.  
 Tel.No : 08678-273535/9491457799/7382616824  
 Website : [www.mictech.edu.in](http://www.mictech.edu.in)



## Department of Computer Science and Engineering

### MOOC Courses

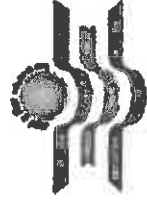
Date: 30<sup>th</sup> July 2023

#### A Report on MOOCs through SWAYAM - NPTEL during the A.Y: 2022-23

A total of 64 students have completed the following courses through SWAYAM-NPTEL for the A.Y: 2022-23 and received NPTEL certificates.

S. No	Course Name	Number of Students
1	The Joy of Computing using Python	9
2	Big Data Computing	1
3	Programming, Data Structures And Algorithms Using Python	3
4	Python for Data Science	2
5	Data Base Management System	1
6	Introduction To Machine Learning - KGP	1
7	Data Science for Engineers	40
8	Ethical Hacking	1
9	Programming In Java	5
10	Problem Solving Through Programming In C	1

Encl: Students details



# DVR & Dr. HS MIC College of Technology

**AUTONOMOUS**

(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)

Kanchi Kacharla-521180, NTR Dist, A.P, India.

Tel.No : 08678-27353/9491457799/732616824

Website : [www.mictech.edu.in](http://www.mictech.edu.in)



S. No	Course Name	Name	College Roll No	Final Score	Certificate Type
1	Data Science for Engineers	S GIRISH CHANDRA	Faculty	83	Elite + Silver
2	Data Science for Engineers	Donga Jaya Durga Alekhya	20H71A05E8	57	Successfully completed
3	Data Science for Engineers	BALASUBRAHMANYESWARA RAO MADDALA	20H71A0502	69	Elite
4	Data Science for Engineers	Boggavarapu V Siva naga kiranmai	20H71A0559	60	Elite
5	Data Science for Engineers	Ch R Sri Shreya	20H71A05H1	53	Successfully completed
6	Data Science for Engineers	Kavya Chitla	20H71A0505	56	Successfully completed
7	Data Science for Engineers	DAMASANI VEERANJJI	20H71A05I8	43	Successfully completed
8	Data Science for Engineers	Mittapalli Deepika	20H71A0508	67	Elite
9	Data Science for Engineers	PAMARTHI DIVYA MANJUSHA	20H71A0575	51	Successfully completed
10	Data Science for Engineers	Md Ramsha firdouse	20H71A05H0	58	Successfully completed
11	Data Science for Engineers	Vamsi Gangipogu	20H71A0561	62	Elite



DVR & Dr. HS  
**MIC College of Technology**

**AUTONOMOUS**

(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinda)  
Kanchiacherla-521180, NTR Dist, A.P, India.

Tel.No : 08678-273535/9491457799/7382616824

Website : [www.mictech.edu.in](http://www.mictech.edu.in)



12	Data Science for Engineers	Devi Priya Goli	20H71A05A5	72	Elite
13	Data Science for Engineers	Gundu Likhitha	20H71A05F3	56	Successfully completed
14	Data Science for Engineers	Jaswanthi Uppala	20H71A05E7	71	Elite
15	Data Science for Engineers	ADI JAYALAKSHMI	20H71A0586	60	Elite
16	Data Science for Engineers	Karnati Deepthi	20H71A0570	53	Successfully completed
17	Data Science for Engineers	Karnati SivaRam	20H71A0554	62	Elite
18	Data Science for Engineers	Gutti kavaya naidu		55	Successfully completed
19	Data Science for Engineers	Vantipenta Kedhar Reddy	20H71A0590	69	Elite
20	Data Science for Engineers	Battula Lakshmi	20H71A0526	58	Successfully completed
21	Data Science for Engineers	Perumalla Lakshmi Kavya	20H71A0594	52	Successfully completed
22	Data Science for Engineers	Meghana Kotha	20H71A0597	61	Elite
23	Data Science for Engineers	Patapati Bhupathi	20H71A0504	61	Elite
24	Data Science for Engineers	Pavithra	20h71a05a4	64	Elite
25	Data Science for Engineers	THOKALA POLURAJU	20H71A0538	65	Elite
26	Data Science for Engineers	Reddy Praneeth	20H71A05G6	52	Successfully completed



# DVR & Dr. HS MIC College of Technology

**AUTONOMOUS**

(Approved by AICTE & Permanently Affiliated to JNTUK, Kakimadda)

Kanchiachada-521180, NTR Dist, A.P., India.

Tel.No : 08678-27353/9491457799/7382616824

Website : [www.mictech.edu.in](http://www.mictech.edu.in)



27	Data Science for Engineers	CHEEKATI SAI SIVANI	20H71A05B3	58	Successfully completed
28	Data Science for Engineers	SHOBHARANI POTRU	20H71A05H9	54	Successfully completed
29	Data Science for Engineers	Tejaswini Somala	20H71A05I6	54	Successfully completed
30	Data Science for Engineers	Srihari Vattam	20H71A05I1	56	Successfully completed
31	Data Science for Engineers	Sunkara kavya sree	20H71A05Z5	54	Successfully completed
32	Data Science for Engineers	Surya Rohit Bhogavilli	20H71A05I2	68	Elite
33	Data Science for Engineers	lakshmi sai harshitha	20H71A05Z7	54	Successfully completed
34	Data Science for Engineers	Uddandi Vennela	20H71A05J0	68	Elite
35	Data Science for Engineers	Velivela Bhavana	20H71A0569	62	Elite
36	Data Science for Engineers	Koppu Vivek	20H71A0564	62	Elite
37	Data Science for Engineers	V Nagajyothi	20H71A05G0	60	Elite
38	Data Science for Engineers	Vadlapatla Yamini krishna kumari	20H71A0565	61	Elite
39	Data Science for Engineers	Yamini Muppa	20H71A05J1	57	Successfully completed
40	Data Science for Engineers	Yeshaswini Durgasi	20H71A05I2	55	Successfully completed
41	The Joy of Computing using	Remalli Mohana Chandra	20H71A0532	55	Successfully completed



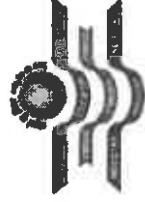
# DVR & Dr. HS MIC College of Technology

AUTONOMOUS

(Approved by AKTE & Permanently Affiliated to JNTUK, Kakimada)  
Kanchiacharla-521180, NTR Dist, A.P, India.  
Tel.No : 08678-27353/9491457/997382616824  
Website : [www.mictech.edu.in](http://www.mictech.edu.in)



	Python				
42	The Joy of Computing using Python	Pavithra	20h71a05a4	61	Elite
43	The Joy of Computing using Python	Velivela Bhavana	20H71A0569	55	Successfully completed
44	The Joy of Computing using Python	Vamsi Gangipogu	20H71A0561	67	Elite
45	The Joy of Computing using Python	Jawvaji Jai Veera Sravan Kumar	20H71A0522	71	Elite
46	Ethical Hacking	S GIRISH CHANDRA	Faculty	70	Elite
47	Programming In Java	VUSA ROHITA	21H71A05G7	70	Elite
48	Programming In Java	Nandireddy Sivakotireddy	20H71A05B7	61	Elite
49	Programming In Java	vadakevit joli	20H71A05F0	58	Successfully completed
50	Programming In Java	MADDURI SRIPRAGNA	21H71A0514	68	Elite
51	Programming In Java	Vantipenta Kedhar Reddy	20H71A0590	60	Elite
52	Problem Solving Through Programming In C	Anusha Kommineni	21H71A0568	76	Elite+Silver



# DVR & Dr. HS MIC College of Technology

**AUTONOMOUS**

(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)  
Kanchilacherla-521180, NTR Dist, A.P., India.  
Tel.No : 08678-273535/9491457799/7382616824

Website : [www.micttech.edu.in](http://www.micttech.edu.in)



53	The Joy of Computing using Python	Uddandi Vennela	20H71A0510	76	Elite+Silver
54	The Joy of Computing using Python	V Nagajyothi	20H71A05G0.	73	Elite
55	The Joy of Computing using Python	SHOBHARANI POTRU	20H71A05H9	75	Elite+Silver
56	The Joy of Computing using Python	IJJAGANI TULASI RAM	19H71A0G5	69	Elite
57	Big Data Computing	KARANAM VENKATA DIVYA MANI	21H75A0516	60	Elite
58	Programming, Data Structures And Algorithms Using Python	Boggavarapu V Siva naga kiranmai	20H71A0559	70	Elite
59	Programming, Data Structures And Algorithms Using Python	Javvaji Jai Veera Sravan Kumar	20H71A0522	70	Elite
60	Programming, Data Structures And Algorithms Using Python	Pavithra	20h71a05a4	71	Elite
61	Python for Data Science	Patapati Bhupathi	20H71A0504	75	Elite+Silver
62	Python for Data Science	Koppu Vivek	20H71A0564	71	Elite



DVR & Dr. HS  
MIC College of Technology

AUTONOMOUS

(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)  
Kanchikacherla-521180, NTR Dist, A.P, India.

Tel.No : 08678-27353/9491457/997382616824

Website : [www.mictcd.edu.in](http://www.mictcd.edu.in)



63	Data Base Management System	Kavya Chitla	20H71A0505	62	Elite
64	Introduction To Machine Learning - KGP	Srihari Vattam	20H71A0511	53	Successfully completed

V. [Signature]

Signature of the NPTEL SPOC

[Signature]  
Signature of the Principal

PRINCIPAL  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, Krishna Dt.  
Andhra Pradesh, India – Pin: 521180.







DVR & Dr. HS  
**MIC College of Technology**

ISO 9001:2015 Certified Institute  
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)  
Kanchikacherla - 521180, NTR Dist, A.P, India.  
Phones: 08678 - 273535 / 94914 57799 / 73826 16824  
E mail: office@micttech.ac.in, Website: www.micttech.edu.in



DEPARTMENT: Training and Placement

DATE: 10-04-2023  
ACADEMIC YEAR: 2022-23

ORIGINATOR	Principal
CIRCULATED TO	HODs, Faculty and III B. Tech (CSE,ECE,IT,MECH,CIVIL,EEE,AIML,AIDS) Students – All Departments

**Training Programme**

All the HOD's, staff and students are hereby informed that the training and placement section is conducting technical training classes on Data Structures using Java and C Programming Training for II B. Tech (CSE,ECE,IT,MECH,CIVIL,EEE,AIML,AIDS) student's from 12.4.23 to 06.05.23. The training schedule is as follows.

**Training schedule:**

**Timings:** 9.15 AM to 12.30 PM (Forenoon)

1.15 PM to 4.30 PM (Afternoon)

**Venues:**

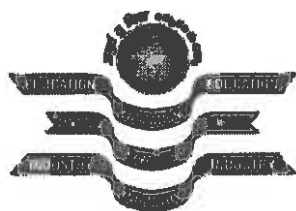
CSE Seminar Hall  
ECE Seminar Hall  
EEE Seminar Hall  
Room No: 1108

CSE & ECE Batch 1  
CSE & ECE Batch 2  
IT, MECH, CIVIL, EEE  
AIDS, AIML

HODs are hereby informed to depute their T&P Coordinator & faculty (as per time table)

Principal

**PRINCIPAL**  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, Krishna Dt.  
Andhra Pradesh, India – Pin: 521180.



DVR & Dr. HS  
**MIC College of Technology**

ISO 9001:2015 Certified Institute  
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)  
Kanchikacherla - 521180, NTR Dist, A.P, India.  
Phones: 08678 - 273535 / 94914 57799 / 73826 16824  
E mail: office@micotech.ac.in, Website: www.micotech.edu.in



**A Report On “Data Structures using JAVA & C Programming”**

**Date: 08.05.23**

**Academic Year: 2022-23**

<b>Name of the Event</b>	<b>: Placement Training Programme</b>
<b>Department</b>	<b>: Computer Science and Engineering</b>
<b>Topic</b>	<b>: Data Structures using JAVA &amp; C Programming</b>
<b>Dates of the Event</b>	<b>: 12.4.23 to 06.05.23</b>
<b>Resource Person From</b>	<b>: BYTEXL India Pvt Ltd, Hyderabad.</b>
<b>Name of the coordinator</b>	<b>: Mr. P Anil Kumar</b> Asst Professor, Training & Placement Coordinator Dept. of CSE
<b>Target Audience</b>	<b>: B. Tech CSE branch students</b>
<b>Total no of Participants</b>	<b>: 205</b>
<b>Objective of the Course</b>	<b>: To help students improve their C programming skills and also to</b> <b>help develop logic for the given problem.</b> <b>It will help students to face placement.</b>
<b>Outcome of the Course</b>	<b>: Students will be able to develop Data Structures using</b> <b>JAVA or C Languages</b>

DVR & Dr. HS MIC College of Technology		
C language Topics (15Hrs)		Hours
DAY 1	Introduction To C & Data Types, Operators & Conditional Statements	3
DAY 2	Loops, Jumping Statements And Basics Of Pointers	3
DAY 3	Pointers And Functions, Functions And Storage Classes, Introduction To Arrays, Arrays & DMA, Introduction To Strings	3
DAY 4	Strings Structures, Enumerators, TypeDef, Files & Preprocessor Directives,	3

## DVR &amp; Dr. HS MIC College of Technology

## Syllabus for DATA STRUCTURES using Java(25Hrs)

Topic	Contents
ASYMPTOTIC NOTATIONS	Introduction To Performance Analysis(Best, Average Worst). Introduction To Space And Time Complexities. Introduction To Asymptotic Notations, types Of Asymptotic Notations, Time Complexities Of Different Types Like (Constant Time, Logarithmic Time, Linear Time, Quasilinear Time, Quadratic Time, Exponential Time, Factorial Time), Master'S Theorem
LINKED LISTS	Introduction About Linked Lists, All Types(Single) And Its Operations Deletion Of Duplicates(Sorted And Unsorted),K Th Swapping Problem, Linkedlist Rotations
STACKS	Introduction To Stacks And Its Operations And Applications, Stacks As Linked List And Stack As Array, Balancing Parenthesis, Expression Conversion - (Infix, Prefix, Postfix), Expression Evaluation (Infix, Prefix, Postfix)
QUEUES	Introduction To Queue And Its Operations And Applications, Queue As Linked List And As Array. Types Of Queue and Circular Queue. , Priority Queue, Deque, Queue Implementation Using Stacks, Queue Programs
TREES	Introduction To Trees And Its Applications, Tree Terminologies And Its Types. Binary Tree representations - array, Linked List, Tree representations - Full, complete, binary, skewed, Formulae and programs Tree Traversals (Inorder, Preorder, Postorder, and Level Order), Tree Construction From Traversals, Depth Of Tree Binary Search Tree - Creation, Insertion(all types), BST construction from preorder, Binary tree to BST, array to BST(level order, pre Order), BST - deletion(all types), Traversals, all Standard Operations, BST Programs
GRAPHS	Introduction To Graphs And Its Applications Graph Terminologies And Types Of Graphs Graph Representation Using Adjacency List And Matrix Traversals( Bfs And Dfs) Cycle Detection In Graphs Programs, minimum spanning tree (kruskal's and Prim's algorithm)
HEAPS & HASHING	Implementation of Heaps, Binary Heap , Applications of hashing, Discussion on Direct Address Table, Collision handling, Problem on Heaps and Hashing
SEARCHING AND SORTINGS	Introduction To Searching And Sortings Linear Search And Binary Search Bubble Selection Insertion, Quick,Merge,Heap, Radix
DYNAMIC PROGRAMMING & BACK TRACKING	Greedy vs Dynamic programming. Top down and bottom up approach, Longest Common Subsequence, longest increasing subsequence, Edit distance, 0-1 Knapsack, Coin change problem and Problems on dynamic programming
GREEDY ALGORITHMS	Introduction to Greedy algorithms, Activity Selection problem, Fractional Knapsack and Problems on Greedy algorithms

**Photographs:**



**Signature of Coordinator**

**Signature of HOD**

**Signature of Principal  
(Dr. T.Vamsee Kiran)**

**PRINCIPAL**  
**DVR & Dr. HS MIC College of Technology**  
Kanchikacherla, Krishna Dt.  
Andhra Pradesh, India – Pin: 521180.





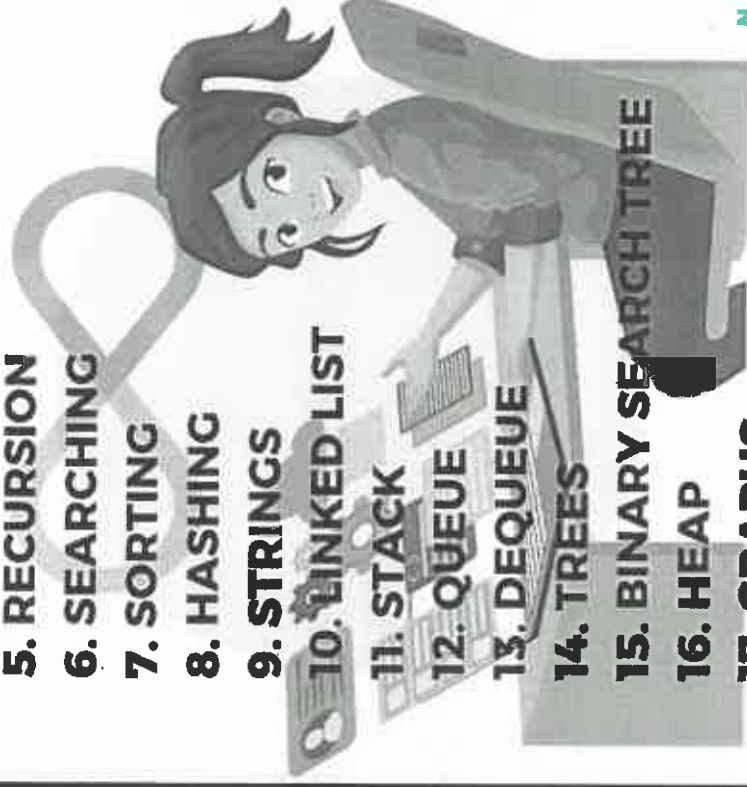
**RESOURCE PERSONS FROM**  
**BYTEXL India Private Limited**  
*Software Company*  
*Hyderabad, Telangana*

**Department Coordinators**  
**Mr. A.V.V. Sairam ( CIVIL )**  
**Mr. M. Tharun ( EEE )**  
**Ms. D. Divya ( MECH )**  
**Mr. K. Veenanand ( ECE )**  
**Mrs. S. Mounika ( CSE & IT )**

**Principal**  
**Dr.K.Srinivas**  
**M.Tech, PhD**

## TOPICS COVERED

1. INTRODUCTION
2. PYTHON DSA
- 3 BIT MAGIC
4. LISTS
5. RECURSION
6. SEARCHING
7. SORTING
8. HASHING
9. STRINGS
10. LINKED LIST
11. STACK
12. QUEUE
13. DEQUEUE
14. TREES
15. BINARY SEARCH TREE
16. HEAP
17. GRAPHS
18. GREEDY METHOD
19. BACK TRACKING
20. TRIE



**Principal**  
**Dr. HS MIC**  
**Kanchikallu**  
**Andhra Pradesh**

**TRAINING & PLACEMENT CELL**  
**DS WITH PYTHON & C TRAINING PROGRAM**

**byteXL**

**28-11-2022**

**TO**

**21-12-2022**

**REGISTRATION**  
**FREE**



DVR & Dr. HS  
**MIC College of Technology**

ISO 9001:2015 Certified Institute  
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)  
Kanchikacherla - 521180, NTR Dist, A.P, India.  
Phones: 08678 - 273535 / 94914 57799 / 73826 16824  
E mail: office@micotech.ac.in, Website: www.micotech.edu.in



**DEPARTMENT:** Training and Placement

**DATE:** 25-12-2022

**ACADEMIC YEAR:** 2022-23

ORIGINATOR	Principal
CIRCULATED TO	HODs, Faculty and II B. Tech (CSE,ECE,IT,MECH,CIVIL,EEE,AIML,AIDS) Students – All Departments

**Training Programme**

All the HOD's, staff and students are hereby informed that the training and placement section is conducting training classes on **Data Structures with python** for II B.Tech (CSE,ECE, IT, MECH, CIVIL, EEE, AIML, AIDS) student's from 28.11.22 to 21.12.22. The training schedule is as follows.

**Training schedule:**

**Timings:** 9.15 AM to 12.30 PM (Forenoon)

1.15 PM to 4.30 PM (Afternoon)

**Venues:**

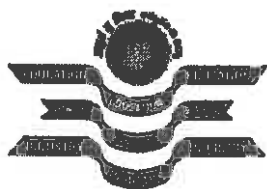
CSE Seminar Hall	CSE & ECE Batch 1
ECE Seminar Hall	CSE & ECE Batch 2
EEE Seminar Hall	IT, MECH, CIVIL, EEE
Room no: 1108	AIDS, AIML

HODs are hereby informed to depute their T&P Coordinator & faculty (as per timetable) at the venues.

**Principal**

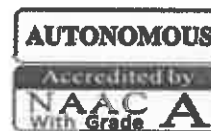
**PRINCIPAL**  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180

**PRINCIPAL**  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180



DVR & Dr. HS  
**MIC College of Technology**

ISO 9001:2015 Certified Institute  
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)  
Kanchikacherla - 521180, NTR Dist, A.P, India.  
Phones: 08678 - 273535 / 94914 57799 / 73826 16824  
E mail: office@mictech.ac.in, Website: www.mictech.edu.in



**Name of the Event: Placement Training Programme**

**Date: 22-12-2022**

**Department: Computer Science and Engineering**

**Academic Year: 2022-23**

**Topic: Data Structures with Python**

**Date of the Event: 28-11-2022 TO 21-12-2022**

**Resource Person From: ByteXL India Pvt. Ltd, Hyderabad.**

**Name of the coordinator: Mr. P Anil Kumar**

**Asst Professor, Training & Placement Coordinator**

**Department of CSE**

**Target Audience: B. Tech CSE II YEAR students**

**Total no of Participants: 215**

**Learning Outcomes**

1. To understand basic data structures, their implementation and some of their standard applications.
2. To develop the ability to design and analyze basic algorithms and prove their correctness using the appropriate data structure learned in the course.

**Course Objectives**

- Be familiar with basic techniques of algorithm analysis
- Be familiar with writing recursive methods
- Master the implementation of linked data structures such as linked lists and binary trees
- Be familiar with advanced data structures such as balanced search trees, hash tables, priority queues and the disjoint set union/find data structure
- Be familiar with several sub-quadratic sorting algorithms including quick sort, merge sort and heap sort



**Description:**

<b>Syllabus for DATA STRUCTURES with Python</b>	
<b>Topic</b>	<b>Sub Topic</b>
Python for DS	Revision of Python and Problems on arrays
ASYMPTOTIC NOTATIONS	Introduction To Performance Analysis(Best, Average Worst). Introduction To Space And Time Complexities. Introduction To Asymptotic Notations, types Of Asymptotic Notations, Time Complexities Of Different Types Like (Constant Time, Logarithmic Time, Linear Time, Quasilinear Time, Quadratic Time, Exponential Time, Factorial Time), Master'S Theorem
LINKED LISTS	Introduction About Linked Lists, All Types(Single) And Its Operations
	Deletion Of Duplicates(Sorted And Unsorted),K Th Swapping Problem, Linkedlist Rotations
STACKS	Introduction To Stacks And Its Operations And Applications, Stacks As Linked List And Stack As Array, Balancing Parenthesis, Expression Conversion - (Infix, Prefix, Postfix), Expression Evaluation (Infix, Prefix, Postfix)
QUEUES	Introduction To Queue And Its Operations And Applications, Queue As Linked List And As Array. Types Of Queue and Circular Queue. , Priority Queue, Deque, Queue Implementation Using Stacks, Queue Programs
TREES	Introduction To Trees And Its Applications, Tree Terminologies And Its Types. Binary Tree representations - array, Linked List, Tree representations - Full, complete, binary, skewed, Formulae and programs
	Tree Traversals (Inorder, Preorder, Postorder, and Level Order), Tree Construction From Traversals, Depth Of Tree
	Binary Search Tree - Creation, Insertion(all types), BST construction from preorder, Binary tree to BST, array to BST(level order,preOrder), BST - deletion(all types), Traversals, all Standard Operations, BST Programs
GRAPHS	Introduction To Graphs And Its Applications Graph Terminologies And Types Of Graphs Graph Representation Using Adjacency List And Matrix
	Traversals( Bfs And Dfs) Cycle Detection In Graphs Programs, minimum spanning tree (kruskal's and Prim's algorithm)
HEAPS & HASHING	Implementation of Heaps, Binary Heap , Applications of hashing, Discussion on Direct Address Table, Collision handling, Problem on Heaps and Hashing
SEARCHING AND SORTINGS	Introduction To Searching And Sorting Linear Search And Binary Search Bubble Selection Insertion, Quick,Merge,Heap, Radix
DYNAMIC PROGRAMMING & BACK TRACKING	Greedy vs Dynamic programming. Top down and bottom up approach, Longest Common Subsequence, longest increasing subsequence, Edit distance, 0-1 Knapsack, Coin change problem and Problems on dynamic programming
GREEDY ALGORITHMS	Introduction to Greedy algorithms, Activity Selection problem, Fractional Knapsack and Problems on Greedy algorithms

**Photographs:**



**Signature of Coordinator**

**Signature of HOD**

**Signature Of Principal**

**PRINCIPAL**  
**DVR & Dr. HS MIC College of Technology**  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180

**PRINCIPAL**  
**DVR & Dr. HS MIC College of Technology**  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180



DVR & Dr. HS  
**MIC College of Technology**  
**AUTONOMOUS**

(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)  
Kanchikacherla-521180, NTR Dist, A.P, India.  
Tel.No : 08678-273535/9491457799/7382616824  
Website : [www.mictech.edu.in](http://www.mictech.edu.in)



### Feedback Form

Course Name: *Data structures using python*

Duration of the Course: *28/11/22 to 21/12/22*

*(Please do not write your name. You are free to respond objectively)*

1. Please give your comments on the usefulness of the Workshop/guest Lecture/Seminar.

*Basic need for Programming*

2. Please give your comments on the process/methods during the program.

*Good*

3. What input areas were most useful to you ("which you have learnt/experienced during the programme)?

*Data Structures*

4. In what input areas would you prefer to have further training?

*Python*

5. Further Comments (if any)

*Very Good Program for Students*

## TOPICS COVERED

1. INTRODUCTION

2. PYTHON DSA

3. BIT MAGIC

4. LISTS

5. RECURSION

6. SEARCHING

7. SORTING

8. HASHING

9. STRINGS

10. LINKED LISTS

11. STACK

12. QUEUE

13. DEQUEUE

14. TREE

15. BINARY SEARCH TREE

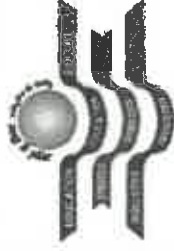
16. HEAP

17. GRAPH

18. GREEDY METHOD

19. BACKTRACKING

20. TRIE



DVR & Dr. HS

**MIC College of Technology**

ISO 9001:2015 Certified Institute  
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)  
Kanchikacharla - 521180, NTR Dist. A.P. India.

Phone: 08678 - 273535 / 9914 37799 / 73826 10024

E-mail: [office@mictech.ap.in](mailto:office@mictech.ap.in), Website: [www.mictech.ap.in](http://www.mictech.ap.in)



## TRAINING & PLACEMENT CELL DS WITH PYTHON & C

### RESOURCE PERSONS FROM

BYTEXL India Private Limited

Software Company

Hyderabad, Telangana

22-08-2022

TO

01-09-2022

byteXL

### Department Coordinators

Mr. A.V.V. Sairam ( CIVIL )

Mr. M. Tharun ( EEE )

Ms. D. Divya ( MECH )

Mr. K. Veenanand ( ECE )

Mr. P. Anil Kumar ( CSE )

Mrs. S. Mounika ( IT )

Principal

**Dr.K.Srinivas**

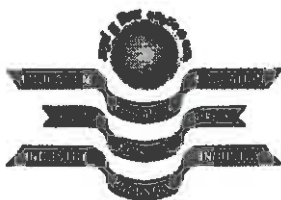
M.Tech, PhD

**REGISTRATION  
FREE**

For more information, contact

DVR & Dr. HS MIC College of Technology  
Kanchikacharla, N.T.R. Dist.  
Kanchikacharla - Pin: 521180

Andhra Pradesh, India



DVR & Dr. HS  
**MIC College of Technology**

ISO 9001:2015 Certified Institute  
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)  
Kanchikacherla - 521180, NTR Dist, A.P, India.  
Phones: 08678 - 273535 / 94914 57799 / 73826 16824  
E mail: office@micttech.ac.in, Website: www.micttech.edu.in



**Department: Training and Placement**

**Date:20-08-2022**

**Academic Year:2022-23**

ORIGINATOR	Principal
CIRCULATED TO	HODs, Faculty and IV B. Tech Students – All Departments

**Training Programme**

All the HOD's, staff and students are hereby informed that the training and placement cell is conducting technical training classes on **DATA Structures with Python & C** for IV B.Tech (CSE,ECE, IT,MECH,CIVIL,EEE) student's from 22-08-22 to 1-09-22. All the students should attend the training programme without fail. Attendance is mandatory.

**Training schedule:**

**Timings: 9.15AM to 12.30PM (Forenoon)**

**1.15PM to 4.30PM (Afternoon)**

**Venues:**

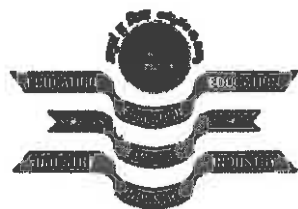
Hall	Session	Students
CSE Seminar Hall	Morning	CSE&ECE
ECE Seminar Hall	Afternoon	CSE&ECE
EEE Seminar Hall	Morning	IT, MECH
EEE Seminar Hall	Afternoon	CIVIL, EEE

HODs are hereby informed to depute their T&P Coordinator & faculty (as per timetable) at the venues.

**Principal**

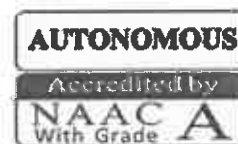
**PRINCIPAL**  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180

**PRINCIPAL**  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180



DVR & Dr. HS  
**MIC College of Technology**

ISO 9001:2015 Certified Institute  
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)  
Kanchikacherla - 521180, NTR Dist, A.P, India.  
Phones: 08678 - 273535 / 94914 57799 / 73826 16824  
E mail: office@micttech.ac.in, Website: www.micttech.edu.in



**DEPARTMENT OF COMPUTER SCIENCE ENGINEERING**

**A REPORT ON TRAINING PROGRAMME ON DATA STRUCTURES WITH PYTHON & C**

**Event Type** : **PLACEMENT TRAINING PROGRAMME**

**Date / Duration** : **22.08.22 to 1.09.22**

**Resource Person From** : **Byte XL India Private Ltd,**  
**Software Company, Hyderabad**

**Name of Coordinator** : **Mr. P Anil Kumar**  
**Assistant Professor, T & P Coordinator**  
**Department of CSE**

**Target Audience** : **IVB.TechCSEStudents**

**Total no of Participants** : **186**

**Objective of the event** : **The learning objectives of this course are:**

1. To understand basic data structures, their implementation and some of their standard applications.
2. To develop the ability to design and analyze basic algorithms and prove their correctness using the appropriate data structure learned in the course.

**Course Objectives:.**

- Be familiar with basic techniques of algorithm analysis
- Be familiar with writing recursive methods
- Master the implementation of linked data structures such as linked lists and binary trees
- Be familiar with advanced data structures such as balanced search trees, hash tables, priority queues and the disjoint set union/find data structure
- Be familiar with several sub-quadratic sorting algorithms including quick sort, merge sort and heap sort

## Syllabus for DATA STRUCTURES with Python

Topic	Sub Topic
Python for DS	Revision of Python and Problems on arrays
ASYMTOTIC NOTATIONS	Introduction To Performance Analysis(Best, Average Worst). Introduction To Space And Time Complexities. Introduction To Asymptotic Notations, types Of Asymptotic Notations, Time Complexities Of Different Types Like (Constant Time, Logarithmic Time, Linear Time, Quasilinear Time, Quadratic Time, Exponential Time, Factorial Time), Master'S Theorem
LINKED LISTS	Introduction About Linked Lists, All Types(Single) And Its Operations
	Deletion Of Duplicates(Sorted And Unsorted),K Th Swapping Problem, Linkedlist Rotations
STACKS	Introduction To Stacks And Its Operations And Applications, Stacks As Linked List And Stack As Array, Balancing Parenthesis, Expression Conversion - (Infix, Prefix, Postfix), Expression Evaluation (Infix, Prefix, Postfix)
QUEUES	Introduction To Queue And Its Operations And Applications, Queue As Linked List And As Array, Types Of Queues, Circular Queue , Priority Queue, Dequeue, Queue Implementation
TREES	Introduction To Trees And Its Applications, Tree Terminologies And Its Types. Binary Tree representations - array, Linked List, Tree representations - Full, complete, binary, skewed, Formulae and programs
	Tree Traversals (Inorder, Preorder, Postorder, and Level Order), Tree Construction From Traversals, Depth Of Tree
	Binary Search Tree - Creation, Insertion(all types), BST construction from preorder, Binary tree to BST, array to BST(level order,preOrder), BST - deletion(all types), Traversals, all Standard Operations, BST Programs
GRAPHS	Introduction To Graphs And Its Applications Graph Terminologies And Types Of Graphs Graph Representation Using Adjacency List And Matrix
	Traversals( BFS And DFS) Cycle Detection In Graphs Programs, minimum spanning tree (kruskal's and Prim's algorithm)
HEAPS & HASHING	Implementation of Heaps, Binary Heap , Applications of hashing, Discussion on Direct Address Table, Collision handling, Problem on Heaps and Hashing
SEARCHING AND SORTINGS	Introduction To Searching And Sortings Linear Search And Binary Search Bubble Selection Insertion, Quick,Merge,Heap, Radix



DYNAMIC PROGRAMMING & BACK TRACKING	Greedy vs Dynamic programming. Top down and bottom up approach, Longest Common Subsequence, longest increasing subsequence, Edit distance, 0-1 Knapsack, Coin change problem and Problems on dynamic programming
GREEDY ALGORITHMS	Introduction to Greedy algorithms, Activity Selection problem, Fractional Knapsack and Problems on Greedy algorithms

### C Programming

- Introduction to Programming
- Constants, Variables, and Data Types
- Managing Input and Output Operations
- Operators and Expressions
- Decision Making and Branching
- Decision Making and Looping
- Arrays
- Character Arrays and Strings
- Pointers
- User-defined Functions

**Feedback / Suggestions**  
Planned to organize every year.

: Students are participated in enthusiastic manner.

**Photographs:**



*V-L Chintu*

Signature of Coordinator

*A. Raju*

Signature of HOD

*KY*

Signature Of Principal

**PRINCIPAL**  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180

**PRINCIPAL**  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180





DVR & Dr. HS  
**MIC College of Technology**  
**AUTONOMOUS**

(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)

Kanchikacherla-521180, NTR Dist, A.P, India.

Tel.No : 08678-273535/9491457799/7382616824

Website : [www.mictech.edu.in](http://www.mictech.edu.in)



### Feedback Form

Course Name:

Data Structures using Python & C

Duration of the Course:

22/8/22 to 11/9/22

*(Please do not write your name. You are free to respond objectively)*

1. Please give your comments on the usefulness of the Workshop/guest Lecture/Seminar.

Basics of Python & C Programming

2. Please give your comments on the process/methods during the program.

Good

3. What input areas were most useful to you ("which you have learnt/experienced during the programme)?

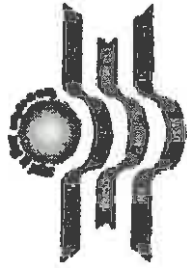
Python & C

4. In what input areas would you prefer to have further training?

Java Programming

5. Further Comments (if any)

Good



DVR & Dr. HS

**MIC College of Technology**

ISO 9001:2015 Certified Institute  
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)  
Kanchikacherla - 521180, NTR Dist, A.P, India.  
Phone: 08678 - 273535 / 94914 57799 / 73826 16324  
Email: office@mictech.ac.in, Website: www.mictech.edu.in



## TRAINING & PLACEMENT CELL

### TRAINING PROGRAM ON JAVA & C

RESOURCE PERSON FROM

BYTEXL India Private Limited

Software Company

Hyderabad, Telangana

byte<sup>XL</sup>

#### Department Coordinators

Mr. A.V.V. Sairam ( CIVIL )

Mr. M. Tharun ( EEE )

Ms. D. Divya ( MECH )

Mr. K. Veenanand ( ECE )

Mr. P. Anil Kumar ( CSE )

Mrs. S. Mounika ( IT )

**REGISTRATION  
FREE**

Principal

**Dr.K.Srinivas**

M.Tech, PhD

## TOPICS COVERED

1. FUNDAMENTALS IN C
2. I/O LIBRARY FUNCTIONS
3. FUNCTIONS AND POINTERS
4. STORAGE CLASSES
5. ARRAYS
6. COMMAND LINE ARGUMENTS
7. STRUCTURES & UNIONS
8. FILE HANDLING
9. INTRODUCTION TO JAVA & OOPS
10. WORKING WITH JAVA EDITORS
11. CONSTRUCTORS
12. JVM
13. STATIC AND NON STATIC MEMBERS
14. FINAL VARIABLES
15. TYPES OF CLASSES
16. OOPS FUNDAMENTALS
17. MVC AND LCRP
18. GARBAGE COLLECTION
19. ARRAYS

20. JAVA API  
DVR & Dr. HS, MIC College of Technology  
Kanchikacherla, N.T.R. Dist.  
Andhra Pradesh, India - Pin: 521180.



DVR & Dr. HS  
MIC College of Technology

ISO 9001:2015 Certified Institute  
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)  
Kanchikacherla - 521180, NTR Dist, A.P, India.  
Phones: 08678 - 273535 / 94914 57799 / 73826 16824  
E mail: office@mictech.ac.in, Website: www.mictech.edu.in



DEPARTMENT: Training and Placement

DATE: 04-02-2023

ACADEMIC YEAR: 2022-23

ORIGINATOR	Principal
CIRCULATED TO	HODs, Faculty and III B. Tech Students – All Departments

All the HOD's, staff and students are hereby informed that the training and placement section is conducting technical training classes on JAVA and C for III B.Tech (CSE,ECE,IT,MECH,CIVIL,EEE) students from 06.02.23 to 04.03.23. The training schedule is as follows.

**Training schedule:**

**Timings:** 9.15AM to 12.30PM (Forenoon)

1.15PM to 4.30PM (Afternoon)

**Venues:**

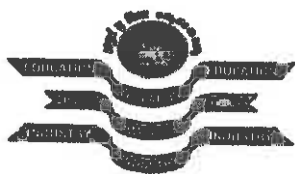
CSE Seminar Hall	CSE & ECE Batch1
ECE Seminar Hall	CSE & ECE Batch2
EEE Seminar Hall	IT, MECH, CIVIL, EEE

HODs are hereby informed to depute their T&P Coordinator & faculty (as per time table) at the venues.

**Principal**

**PRINCIPAL**  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180

**PRINCIPAL**  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180



DVR & Dr. HS  
**MIC College of Technology**

ISO 9001:2015 Certified Institute  
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)  
Kanchikacherla - 521180, NTR Dist, A.P, India.  
Phones: 08678 - 273535 / 94914 57799 / 73826 16824  
E mail: office@micttech.ac.in, Website: www.micttech.edu.in



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**A REPORT ON TRAINING PROGRAMME ON JAVA& C**

**Date:06.03.23**

**Academic Year: 2022-23**

**Event Type** : **PLACEMENT TRAINING PROGRAMME**  
**Date / Duration** : **06.02.2023 to 04.03.2023**  
**Resource Person From** : **Byte XL India Private Ltd,**  
**Software Company, Hyderabad**  
**Name of Coordinator** : **Mr. P Anil Kumar**  
**Assistant Professor, Training& Placement Coordinator**  
**Department of CSE**

**Target Audience:** B. Tech III YEAR students

**Total No of Participants:** 206

**Description:**

The Comprehensive Training Program for Java & C Programming for Placements was designed to equip participants with the essential skills and knowledge required to excel in technical interviews and secure placements in top-tier companies. This intensive program covers the fundamental concepts of Java and C programming languages, focusing on both theoretical understanding and practical application.

**Key Objectives:**

**Mastery of Core Concepts:** Develop a strong foundation in Java and C programming, covering topics such as variables, data types, operators, control structures, loops, functions, pointers, memory management, and more.

**Problem-Solving Skills:** Sharpen participants' ability to solve complex programming problems using Java and C. Emphasis will be placed on algorithmic thinking and efficient coding practices.

**Hands-on Practice:** Provide extensive hands-on coding exercises, assignments, and projects to reinforce theoretical concepts and enhance practical coding skills.

**Interview Preparation:** Offer guidance on common interview questions, coding challenges, and strategies for technical interviews conducted by top companies.

**Real-world Applications:** Demonstrate the application of Java and C in real-world scenarios, such as system-level programming, data structures, and object-oriented programming.

**Code Optimization:** Teach techniques for writing optimized and efficient code to improve program performance.

**Course Structure:**

**Week 1: Introduction to Programming and Java**

Introduction to programming concepts

Java syntax and fundamentals

Variables, data types, and operators

Control statements and loops

Methods and functions

Object-oriented programming (OOP) concepts

**Week 2: Advanced Java Programming**

Inheritance, polymorphism, and encapsulation

Exception handling

File handling

Introduction to data structures in Java

Introduction to GUI programming (Swing or JavaFX)

**Week 3: C Programming and Problem Solving**

Introduction to C programming

Data types, operators, and expressions in C

Control structures and loops in C

Functions and pointers in C

Memory management and dynamic memory allocation

Introduction to algorithms and problem-solving techniques

**Week 4: Advanced C Programming and Interview Prep**

File handling and manipulation in C

Data structures in C (arrays, linked lists, stacks, queues)

Algorithm design and analysis

Common coding interview questions and techniques

Mock technical interviews and feedback

**Additional Features:**

**Live Coding Sessions:** Interactive coding sessions with instructors to solve problems in real-time.

**Q&A and Doubt Resolution:** Regular Q&A sessions to address participants' doubts and queries.

**Online Coding Platforms:** Introduce participants to popular coding platforms like LeetCode, HackerRank, and Codeforces for further practice.

**Certificate of Completion:** Provide participants with a certificate upon successfully finishing the program.

**Benefits:**

- Strong foundation in Java and C programming languages.
- Improved problem-solving skills and algorithmic thinking.
- Enhanced coding efficiency and optimization techniques.
- Confidently tackle technical interviews for placements.
- Access to a supportive learning community and expert instructors.

**Photographs:****Signature of Coordinator****Signature of HOD****Signature Of Principal**

**PRINCIPAL**  
**DVR & Dr. HS MIC College of Technology**  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin- 521180

**PRINCIPAL**  
**DVR & Dr. HS MIC College of Technology**  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin-



### Feedback Form

Course Name: *Training on Java & C*  
Duration of the Course: *6/2/23 to 4/3/23*

*(Please do not write your name. You are free to respond objectively)*

1. Please give your comments on the usefulness of the Workshop/guest Lecture/Seminar.

*Good*

2. Please give your comments on the process/methods during the program.

*Very Effective training*

3. What input areas were most useful to you ("which you have learnt/experienced during the programme)?

*Great knowledge of Java.*

4. In what input areas would you prefer to have further training?

*Advanced Java.*

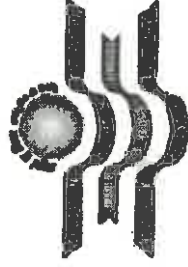
5. Further Comments (if any)

*Good*



## TOPICS COVERED

1. INTRODUCTION TO SCRIPT
2. INTRODUCTION TO PYTHON
3. DIFFERENT MODELS IN PYTHON
4. PYTHON NEW IDEs
5. VARIABLES IN PYTHON
6. STRING HANDLING
7. PYTHON OPERATORS & OPERANDS
8. CONDITIONAL STATEMENTS & LOOPS
9. COLLECTIONS 'LISTS, TUPLE, SETS, DICTIONARY
10. PYTHON MODULES
11. PACKAGES
12. FILE HANDLING
13. EXCEPTION HANDLING
14. OPPTS PROGRAMMING



DVR & Dr. HS

**MIC College of Technology**

ISO 9001:2015 Certified Institute

(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)  
Kanchikacherla - 521180, NTR Dist, A.P, India.

Phones: 08678 - 273535 / 94914-57799 / 73826 16824  
E mail: office@mictech.ac.in, Website: www.mictech.edu.in

**AUTONOMOUS**

Accredited by  
**NAAC A**  
With Grade

## TRAINING & PLACEMENT CELL

TRAINING PROGRAMME ON PYTHON PROGRAMMING

BYTEXL India Private Limited

Software Company  
Hyderabad, Telangana

13-07-2022 TO 06-08-2022

### Department Coordinators

Mr. A.V.V. Sairam ( CIVIL )

Mr. M. Tharun ( EEE )

Ms. D. Divya ( MECH )

Mr. K. Veenanand ( ECE )

Mr. P. Anil Kumar ( CSE )

Mrs. S. Mounika ( IT )



Principal

**Dr.K.Srinivas**

M.Tech, PhD

PRINCIPAL

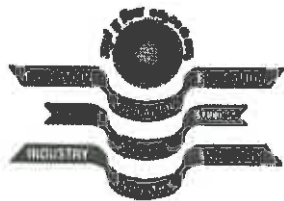
DVR & Dr. HS MIC College of Technology

Kanchikacherla, N.T.R. Dist.

Andhra Pradesh, India - Pin: 521180

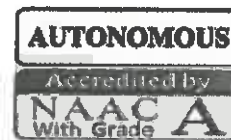
**REGISTRATION  
FREE**





DVR & Dr. HS  
**MIC College of Technology**

ISO 9001:2015 Certified Institute  
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)  
Kanchikacherla - 521180, NTR Dist, A.P, India.  
Phones: 08678 - 273535 / 94914 57799 / 73826 16824  
E mail: office@micotech.ac.in, Website: www.micotech.edu.in



Department: Training and Placement

Date: 11-07-2022

Academic Year: 2022-23

ORIGINATOR	Principal
CIRCULATED TO	HODs, Faculty and IV B. Tech Students – All Departments

**Training Programme**

All the HOD's, staff and students are hereby informed that the training and placement cell is conducting technical training classes on Python for IV B.Tech (CSE, ECE, IT, MECH, CIVIL, EEE) student's from 13.7.2022 to 6.8.2022. All the students should attend the training programme without fail. Attendance is mandatory.

**Training schedule:**

Timings: 9.15AM to 12.30PM (Forenoon)


1.15PM to 4.30PM (Afternoon)

**Venues:**

Hall	Session	Students
CSE Seminar Hall	Morning	CSE&ECE
ECE Seminar Hall	Afternoon	CSE&ECE
EEE Seminar Hall	Morning	IT, MECH
EEE Seminar Hall	Afternoon	CIVIL, EEE

HODs are hereby informed to depute their T&P Coordinator & faculty (as per time table) at the venues.

**PRINCIPAL**  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180

  
**Principal**  
**PRINCIPAL**  
DVR & Dr. HS MIC College of Technology  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India - Pin: 521180



**A.Y:2022-23**

**08/08/2022**

**Name of the Event:** Python Training Programme

**Date(s) of the Event:** 13.7.22 to 6.8.22

**Resource Person From:** Byte XL India Pvt Ltd, Software Company, Telangana.

**Name of the coordinator:** Mr.P Anil Kumar

**Assistant Professor, T & P Coordinator**

**Dept of CSE**

**Target Audience:** IV B. Tech Students

**Total no of Participants:** 186

**Description:**

The Department of Training & placement cell organized “Byte XL”, and is specially meant for engineering final students. The sole objective of imparting aptitude training is to make students able to critically evaluate various real-life situations by resorting to an analysis of key issues and factors. This Aptitude Training helps them to demonstrate various principles involved in solving mathematical problems and thereby reducing the time taken for performing job functions. Logical reasoning is a test of a skill rather than a test of learned knowledge. This is used to determine a student’s critical thinking skills, as well as their ability to use their own knowledge to solve a problem. Soft Skills (a vital portion of an individual’s personality) is an intangible idea in which the qualities like attitude, ability, integrity, reliability, positivity, flexibility, dependability, punctuality, management, cooperation, habits and practices are combined proficiently to capitalize on a person’s work efficacy. Soft Skills do the work of combining all these components in accurate share into skills and shaping them into competencies. The aim of the coding is to produce high quality system which can be performed in any situation. The programmer removes all the errors related to syntax and format and all the logical errors which find in the programmer during the coding phase.

**Outcome of event:** After completing this training course, students will be able to

1. Enhance the Aptitude Round Clearing ability in interview process
2. Solve the real-time problems for performing job functions easily

3. Interpret the concepts of LOGICAL REASONING Skills
4. Develop effective communication skills (spoken and written).

**Feedback / Suggestions:** Students are participated in enthusiastic manner.  
Planned to organize every year.

**Photographs:**



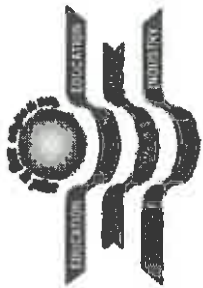
**Program Coordinator**

**HOD**

**Principal**

**PRINCIPAL**  
**DVR & Dr. HS MIC College of Technology**  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180

**PRINCIPAL**  
**DVR & Dr. HS MIC College of Technology**  
Kanchikacherla, N.T.R. Dt  
Andhra Pradesh, India – Pin: 521180



DVR & Dr. HS  
**MIC College of Technology**

ISO 9001:2015 Certified Institute  
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)  
Kanchikacherla - 521180, NTR Dist, A.P., India.  
Phone: 08678 - 273535 / 94914 57799 / 73826 16824  
E mail: office@micotech.ac.in, Website: www.micotech.edu.in



## TRAINING & PLACEMENT CELL

### PYTHON TRAINING PROGRAM

**RESOURCE PERSON FROM**

**BYTEXL India Private Limited**

**Software Company**

**Hyderabad, Telangana**

**12-09-2022 to 01-10-2022**

#### Department Coordinators

**Mr. A.V.V. Sairam ( CIVIL )**

**Mr. M. Tharun ( EEE )**

**Ms. D. Divya ( MECH )**

**Mr. K. Veenanand ( ECE )**

**Mr. P. Anil Kumar ( CSE )**

**Mrs. S. Mounika ( IT )**

#### Principal

**Dr.K.Srinivas**

**M.Tech, PhD**

## TOPICS COVERED

1. INTRODUCTION TO SCRIPT
2. INTRODUCTION TO PYTHON
3. DIFFERENT MODELS IN PYTHON
4. PYTHON NEW IDES
5. VARIABLES IN PYTHON
6. STRING HANDLING
7. PYTHON OPERATORS & OPERANDS
8. CONDITIONAL STATEMENTS & LOOPS
9. COLLECTIONS LISTS, TUPLE, SETS , DICTIONARY
10. PYTHON MODULES
11. PACKAGES
12. FILE HANDLING
13. EXCEPTION HANDLING
14. OOPS PROGRAMMING



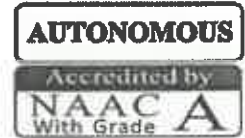
**DVR & Dr. HS**  
PRINCIPAL  
MIC College of Technology  
Kanchikacherla, N.T.R Dist, A.P., India

Andhra Pradesh, India - Pin: 521180



DVR & Dr. HS  
**MIC College of Technology**

ISO 9001:2015 Certified Institute  
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)  
Kanchikacherla - 521180, NTR Dist, A.P, India.  
Phones: 08678 - 273535 / 94914 57799 / 73826 16824  
E mail: office@mictech.ac.in, Website: www.mictech.edu.in



**DEPARTMENT: Training and Placement**

**Date: 8-09-2022**

**Academic Year: 2022-23**

ORIGINATOR	Principal
CIRCULATED TO	HODs, Faculty and III B.Tech Students–All Departments

**Training Programme**

All the HOD's, staff and students are here by informed that the training and placement section is conducting technical training classes on python for III B.Tech (CSE, ECE, IT, MECH, CIVIL, EEE) student's from 12-09-22 to 1-10-22. The training schedule is as follows.

**Training schedule:**

Timings: 9.15 AM to 12.30 PM (Forenoon)

1.15 PM to 4.30 PM (Afternoon)

**Venues:**

CSE Seminar Hall    CSE & ECE Batch 1 ECE  
Seminar Hall        CSE & ECE Batch 2  
EEE Seminar Hall    IT, MECH, CIVIL, EEE

HODs are here by informed to depute their T&P Coordinator & faculty (as per time table) at the venues.

**Principal**

**PRINCIPAL**

**DVR & Dr. HS MIC College of Technology**  
Kanchikacherla, Krishna Dt.  
Andhra Pradesh, India – Pin: 521180.

**PRINCIPAL**  
**DVR & Dr. HS MIC College of Technology**  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180



DVR & Dr. HS  
**MIC College of Technology**

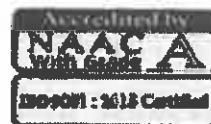
**AUTONOMOUS**

(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)

Kanchikacherla-521180, NTR Dist, A.P, India.

Tel.No : 08678-273535/9491457799/7382616824

Website : [www.mictech.edu.in](http://www.mictech.edu.in)



---

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**A REPORT ON TRAINING PROGRAMME ON PYTHON**

**Event Type** : **PLACEMENT TRAINING PROGRAMME**

**Date / Duration** : **12/9/2022 to 1/10/2022**

**Resource Person From** : **Byte XL India Private Ltd,**  
**Software Company, Hyderabad**

**Name of Coordinators** : **Mr. P Anil Kumar**  
**Assistant Professor, Department of CSE**

**Target Audience** : **III B.Tech CSE Students**

**Total no of Participants** : **206**

**Objective of the event** : **The learning objectives of this course are:**

- Develop a strong command of Python programming language, mastering its syntax, data structures, and core concepts.
- Acquire skills to efficiently solve real-world problems using Python, including algorithm design and implementation.
- Learn to build diverse applications, from web development and data analysis to automation, leveraging Python's versatility.
- Gain the ability to collaborate on projects, write clean and maintainable code, and contribute effectively to software development teams.

**Topics covered:**

Introduction to Python, Python Basics, Data Structures,

Functions, Object-Oriented Programming (OOP), Exception

Handling, File Handling, Modules and Packages, Python Standard Library.



**Outcome of event: Students are familiar with**

- A strong grasp of Python's syntax, data structures, and concepts.
- Ability to write clean and efficient code using best practices.
- Capacity to analyze problems and design effective solutions using Python.
- Proficiency in implementing algorithms and logical reasoning.
- Competence in building a wide range of applications, from web development to data analysis, using Python.
- Ability to create interactive and functional software.
- Profound understanding of object-oriented programming principles.
- Capability to design and implement complex systems using OOP concepts.

**Description / Report on Event:** Training and Placement Cell organized PYTHON training for the benefit of III B.Tech CSE students in association with ByteXL India Private Limited, Software Company, Hyderabad. The purpose of the Python training program is to equip participants with a comprehensive and practical understanding of the Python programming language, enabling them to proficiently apply Python across various domains of software development and data analysis.

**Feedback / Suggestions :** Students are participated in enthusiastic manner. Planned to organize every year.

**Photographs:**



**Signature of Coordinator**

**Signature of HOD**

**Signature of Principal**

**PRINCIPAL**  
**DVR & Dr. HS MIC College of Technology**  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180

**PRINCIPAL**  
**DVR & Dr. HS MIC College of Technology**  
Kanchikacherla, N.T.R. Dt.  
Andhra Pradesh, India – Pin: 521180