AUTONOMOUS

Accredited by

NAAC With Grade **A**

byte **XL**

CERTIFICATE

OF PARTICIPATION

Presented to:

Lakshmi Kumar CH

has participated in **Data Structures with Python** Training
Program held from **28-11-2022** to **21-12-2022**
organized by Training and Placement Cell, DVR & Dr. HS MIC
COLLEGE OF TECHNOLOGY, Kanchikacherla in collaboration
with Byte XL India Private Limited, a leading Software Company
based in Hyderabad.

Coordinator

Head Of Department

Principal

PRINCIPAL
JVR & 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

AUTONOMOUS
Accredited by
NAAC A
With Grade

byte^{XL}

CERTIFICATE
OF PARTICIPATION

Presented to:

Akula Srihari

has participated in **Data Structures with Python** Training
Program held from **28-11-2022** to **21-12-2022**
organized by Training and Placement Cell, DVR & Dr. HS MIC
COLLEGE OF TECHNOLOGY, Kanchikacherla in collaboration
with Byte XL India Private Limited, a leading Software Company
based in Hyderabad.

Coordinator

Head Of Department

Principal

CERTIFICATE
OF PARTICIPATION

Presented to:

Bandi Siril

has participated in **Data Structures with Python** Training
Program held from **28-11-2022** to **21-12-2022**
organized by Training and Placement Cell, DVR & Dr. HS MIC
COLLEGE OF TECHNOLOGY, Kanchikacherla in collaboration
with Byte XL India Private Limited, a leading Software Company
based in Hyderabad.

Coordinator

Head Of Department

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

AUTONOMOUS

Accredited by
NAAC
With Grade A

byte XL

CERTIFICATE
OF PARTICIPATION

Presented to:

Boddani Jayanth

has participated in **Data Structures with Python** Training
Program held from **28-11-2022** to **21-12-2022**
organized by Training and Placement Cell, DVR & Dr. HS MIC
COLLEGE OF TECHNOLOGY, Kanchikacherla in collaboration
with Byte XL India Private Limited, a leading Software Company
based in Hyderabad.

Coordinator

Head Of Department

Principal
Kanchikacherla, N.T.R. Dt.
Andhra Pradesh, India – Pin: 521180

CERTIFICATE
OF PARTICIPATION

Presented to:

Boliyasetti Hemanth Kumar

has participated in **Data Structures with Python** Training
Program held from **28-11-2022** to **21-12-2022**
organized by Training and Placement Cell, DVR & Dr. HS MIC
COLLEGE OF TECHNOLOGY, Kanchikacherla in collaboration
with Byte XL India Private Limited, a leading Software Company
based in Hyderabad.

Coordinator

Head Of Department

PRINCIPAL
JVR & 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

AUTONOMOUS

NAAC A
With Grade

DEPARTMENT: Training and Placement

DATE: 25-11-2022

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 here by 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: 9.15AM to 12.30PM (Forenoon)

1.15 PM to 4.30PM (Afternoon)

Venues:

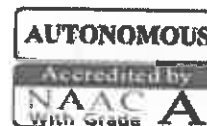|	
CSE Seminar Hall	CSE&ECE Batch1
ECE Seminar Hall	CSE&ECE Batch2
EEE Seminar Hall	IT, MECH, CIVIL, EEE
Room no: 1108	AIDS, AIML

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

Principal

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
With Grade A
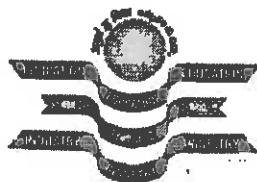
Name of the Event: Placement Training Programme

Date: 22-12-2022

Department: Mechanical 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: D. Divya
Asst Professor, Training & Placement Coordinator
Department of ME

Target Audience: B. Tech ME II YEAR students

Total no of Participants: 51
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

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

Description:

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 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

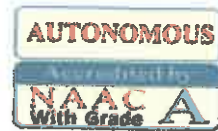| GREEDY ALGORITHMS	Introduction to Greedy algorithms, Activity Selection problem, Fractional Knapsack and Problems on Greedy algorithms

Programme Coordinator

HOD

Principal

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
With Grade A

DEPARTMENT OF MECHANICAL ENGINEERING

TRAINING PROGRAMME ON DATA STRUCTURE WITH PYTHON

Attendance Report

Date: 23-12-2022

A.Y:2022-23

The following list of II B.Tech III Semester (ME) students were attended training programme on **DATA STRUCTURE WITH PYTHON** from 28-11-2022 TO 21-12-2022 organized by Training & Placement Cell in association with Byte XL India Private Ltd. Software Company, Hyderabad.

S.No	H.T No	Name of the student	Signature
1	21H71A0301	Lakshmi Kumar CH	Lakshmi kumar ch.
2	22H75A0301	Akula Srihari	A. Srihari
3	22H75A0302	Badineni Anjaneyulu	B. Anjaneyulu
4	22H75A0303	Bandi Siril	B. Siril
5	22H75A0304	Boddani Jayanth	Jayanth - B
6	22H75A0305	Boliyasetti Hemanth Kumar	Hemanth Kumar B
7	22H75A0306	Bugata Thirupathi Rao	Thirupathi Rao
8	22H75A0307	Chadalavada Anil	ch. Anil
9	22H75A0308	Chalamala Venkata Narendra Kumar	Ch. Venkata
10	22H75A0309	Challa Ajay	Ajay. ch.
11	22H75A0310	Chatrasupalli Tejadeepthi Babu	Tejadeepthi Babu
12	22H75A0312	Derangula Ganesh	Ganesh. P.
13	22H75A0313	Eede Mahesh Babu	E. Mahesh Ab
14	22H75A0314	Gaddala Gopaiah	G. Pypen nras
15	22H75A0315	Gajja Durga Prasad	Gandham -
16	22H75A0316	Gandham Sai Sujith	Sain
17	22H75A0317	Geddamuri Sai Chakri	Sai chakri
18	22H75A0318	Gummulla Sai Raju	Sai Raju
19	22H75A0319	Gurram Sai Ram	Sai Ram. G
20	22H75A0320	Haribandla Hithesh Chandra	Hithesh. ch
21	22H75A0321	Ichapuram Durga Prasad	P. Durgapra
22	22H75A0322	Inampudi Venkat	Venkat
23	22H75A0323	Jalumuru Mahesh	Mahesh
24	22H75A0324	Kallepalli Vamsi Krishnam Raju	Vamsi
25	22H75A0325	Kambala Vasu Babu	Babu. K.
26	22H75A0326	Kandregula Sai Sampath	Sai Sampath. K
27	22H75A0327	Karthik Jakku	J. Karthik
28	22H75A0328	Karupati Gousick	Gousik
29	22H75A0329	Kolupuri Sivakumar	Sivakumar
30	22H75A0330	Konatham Seshagiri Reddy	K. Seshagiri R
31	22H75A0331	Mogasati Sandeep Raju	Sandeep

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
With Grade A

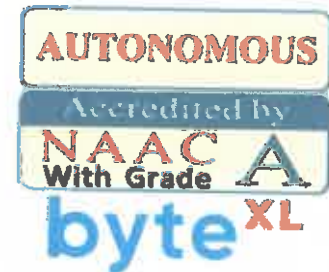| 32 | 22H75A0332 | Munjeti Koteswararao | |
33	22H75A0333	Nadakuduru Ramaswamiraja	
34	22H75A0334	Nalukurthi Dileep Babu	
35	22H75A0335	Pagadala Ramakrishna	
36	22H75A0336	Patan Baji	
37	22H75A0337	Pothabathina Gopi Krishna	
38	22H75A0338	Pothabathina Siva Prasad	
39	22H75A0339	Pothuraju Swarna Raj Kumar	
40	22H75A0340	Pujari Santhosh	
41	22H75A0341	Ramisetti Sidhardha	
42	22H75A0342	Ramisetty Gowtham	
43	22H75A0343	Sanikommu Yaswanth	
44	22H75A0344	Shaik John Basha	
45	22H75A0345	Sudhula Hemanth Kumar	
46	22H75A0346	Sunkara Bharath Kumar	
47	22H75A0347	Tallaputta Chandu	
48	22H75A0348	Thalluri Siva Naga Subramanyam	
49	22H75A0349	Velisetti Poorna Venkat	
50	22H75A0350	Yerrapaneni Madhav	
51	22H75A0351	Boyapati Lakshman Rao	

Signature of Coordinator

Signature of HOD

Signature of Principal

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
Email: office@mictech.ac.in, Website: www.mictech.edu.in

AUTONOMOUS
Accredited by
NAAC **A**
With Grade

byte**XL**

Certáfácate

Of Participation

Lakshmi Kumar CH

has participated in **Java and C with Data Structures** Training Program
held from **12-04-2023** to **06-05-2023**
organized by Training and Placement Cell, DVR & Dr. HS MIC COLLEGE
OF TECHNOLOGY, Kanchikacherla in collaboration with Byte XL India
Private Limited, a leading Software Company based in Hyderabad.

**Program
Coordinator**

**Head of
Department**

Dr. T. VAMS... ME, Ph.D
Principal
PRINCIPAL
DVR & Dr.HS MIC College of Technology
Kanchikacherla, N.T.R. Dt.
Andhra Pradesh, India Pin 521180

AUTONOMOUS

Accredited by

NAAC With Grade **A**

byte XL

Certáfácate

Of Participation

Akula Srihari

has participated in **Java and C with Data Structures** Training Program
held from **12-04-2023** to **06-05-2023**
organized by Training and Placement Cell, DVR & Dr. HS MIC COLLEGE
OF TECHNOLOGY, Kanchikacherla in collaboration with Byte XL India
Private Limited, a leading Software Company based in Hyderabad.

**Program
Coordinator**

**Head of
Department**

Dr. T. VA....
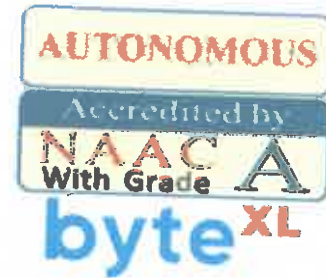PRI...
Principal
DVR & Dr.HS MIC C......
Kanchikacherla, N T.R. Di
Andhra Prade.... Ind...

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
Email: office@mictech.ac.in, Website: www.mictech.edu.in

AUTONOMOUS
Accredited by
NAAC A
With Grade

byte XL

Certáfácate

Of Participation

Badineni Anjaneyulu

has participated in **Java and C with Data Structures** Training Program
held from **12-04-2023** to **06-05-2023**
organized by Training and Placement Cell, DVR & Dr. HS MIC COLLEGE
OF TECHNOLOGY, Kanchikacherla in collaboration with Byte XL India
Private Limited, a leading Software Company based in Hyderabad.
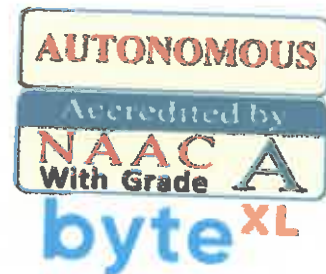
**Program
Coordinator**

**Head of
Department**

Dr. T. VAMSEE KIRAN ME Ph.D
PRINCIPAL
DVR & Dr.HS MIC College of Technology
Kanchikacherla N T R D
Principal

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
Email: office@mictech.ac.in, Website: www.mictech.edu.in

AUTONOMOUS
Accredited by
NAAC With Grade **A**
byte XL

Certáfácate

Of Participation

Bandi Siril

has participated in **Java and C with Data Structures** Training Program
held from **12-04-2023** to **06-05-2023**
organized by Training and Placement Cell, DVR & Dr. HS MIC COLLEGE
OF TECHNOLOGY, Kanchikacherla in collaboration with Byte XL India
Private Limited, a leading Software Company based in Hyderabad.
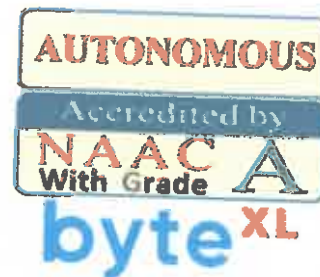
Program Coordinator

Head of Department

Dr. T. VAM ... ME Ph.D
Principal
PRINCIPAL
DVR & Dr.HS MIC College of Technology
Kanchikacherla, N.T.R. Dt

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

byte XL

Certáfácate

Of Participation

Boddani Jayanth

has participated in **Java and C with Data Structures** Training Program
held from **12-04-2023** to **06-05-2023**
organized by Training and Placement Cell, DVR & Dr. HS MIC COLLEGE
OF TECHNOLOGY, Kanchikacherla in collaboration with Byte XL India
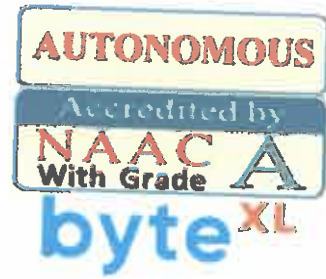Private Limited, a leading Software Company based in Hyderabad.

**Program
Coordinator**

**Head of
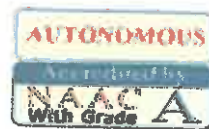Department**

Principal
Dr.T. VAMSEE KIRAN
DVR & Dr.HS MIC College of Technology
DVR Kanchikacherla, N.T.R. Dt
Andhra Pradesh, Indi

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
With Grade A

DEPARTMENT: Training and Placement

DATE: 10-04-2023
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 here by informed that the training and placement section is conducting technical training classes on Java and C with DS 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: 9.15AM to 12.30 PM (Forenoon)

    1.15 PM to 4.30 PM (Afternoon)

  Venues:

CSE Seminar Hall	CSE&ECE	Batch1
ECE Seminar Hall	CSE&ECE	Batch2
EEE Seminar Hall	IT, MECH, CIVIL, EEE	
Room No: 1108	AIDS, AIML	

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

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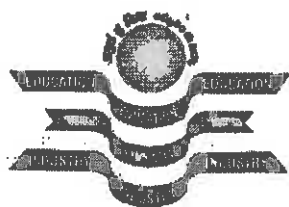
DVR & Dr. HS
MIC College of Technology
ISO 9001:2015 Certified Institute
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)
Kanchikacherla - 521180, NTR Dist, A.P, India.
Phones: 08678 - 273535 / 94914 57799 / 73826 16824
E mail: office@mictech.ac.in, Website: www.mictech.edu.in

AUTONOMOUS
Accredited by
NAAC
With Grade A
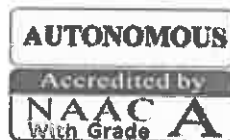
A Report on Training Programme "JAVA & C with DS"

Date: 08.05.23

Academic Year: 2022-23

Name of the Event	: Placement Training Programme
Department	: Mechanical engineering
Topic	: JAVA & C with DS
Dates of the Event	: 12.4.23 to 06.05.23
Resource Person From	: BYTEXL India Pvt Ltd, Hyderabad.
Name of the coordinator	: D. Divya
	Asst Professor, Training & Placement Coordinator
	Dept. of ME
Target Audience	: B. Tech ME branch students
Total no of Participants	: 51
Objective of the Course	: To help students improve their C programming skills and also to help

develop logic for the given problem. It will help students to face placement.

Outcome of the Course : Students will be able to develop C, JAVA AND DS programs for the

given scenario.

DVR & Dr. HS MIC College of Technology		
15 HOURS Plan for C-Language		**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 CLASES, Introduction to arrays, ARRAYS & DMA, INTRODUCTION TO STRINGS	3
DAY 4	STRINGS STRUTURS, ENUMERATORS, TYPEDEF, FILES & PREPROCESSOR DIRECTIVES,	3

DVR & Dr. HS MIC College of Technology

Syllabus for DATA STRUCTURES with Python(25Hrs)

Topic	Contents
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 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

Programme Coordinators

HOD

Principal

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.sc.in, Website: www.mictech.edu.in

AUTONOMOUS
Accredited by
NAAC
With Grade A

DEPARTMENT OF MECHANICAL ENGINEERING

TRAINING PROGRAMME ON JAVA AND C WITH DATA STRUCTURE

Attendance Report

**Date: 07-05-2023**

A.Y:2022-23

The following list of II B.Tech IV Semester (ME) students were attended training programme on

JAVA & C WITH DATA STRUCTURE from 12-04-2023 TO 06-05-2023 organized by Department

of Mechanical engineering in association with Byte XL India Private Ltd. Software Company, Hyderabad.

S.No	H.T No	Name of the student	Signature
1	21H71A0301	Lakshmi Kumar CH	
2	22H75A0301	Akula Srihari	
3	22H75A0302	Badineni Anjaneyulu	
4	22H75A0303	Bandi Siril	
5	22H75A0304	Boddani Jayanth	
6	22H75A0305	Boliyasetti Hemanth Kumar	
7	22H75A0306	Bugata Thirupathi Rao	
8	22H75A0307	Chadalavada Anil	
9	22H75A0308	Chalamala Venkata Narendra Kumar	
10	22H75A0309	Challa Ajay	
11	22H75A0310	Chatrasupalli Tejadeepthi Babu	
12	22H75A0312	Derangula Ganesh	
13	22H75A0313	Eede Mahesh Babu	
14	22H75A0314	Gaddala Gopaiah	
15	22H75A0315	Gajja Durga Prasad	
16	22H75A0316	Gandham Sai Sujith	
17	22H75A0317	Geddamuri Sai Chakri	
18	22H75A0318	Gummulla Sai Raju	
19	22H75A0319	Gurram Sai Ram	
20	22H75A0320	Haribandla Hithesh Chandra	
21	22H75A0321	Ichapuram Durga Prasad	
22	22H75A0322	Inampudi Venkat	
23	22H75A0323	Jalumuru Mahesh	
24	22H75A0324	Kallepalli Vamsi Krishnam Raju	
25	22H75A0325	Kambala Vasu Babu	
26	22H75A0326	Kandregula Sai Sampath	
27	22H75A0327	Karthik Jakku	
28	22H75A0328	Karupati Gousick	
29	22H75A0329	Kolupuri Sivakumar	
30	22H75A0330	Konatham Seshagiri Reddy	

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
With Grade A
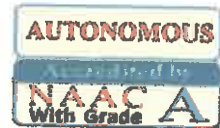
31	22H75A0331	Mogasati Sandeep Raju	
32	22H75A0332	Munjeti Koteswararao	
33	22H75A0333	Nadakuduru Ramaswamiraja	
34	22H75A0334	Nalukurthi Dileep Babu	
35	22H75A0335	Pagadala Ramakrishna	
36	22H75A0336	Patan Baji	
37	22H75A0337	Pothabathina Gopi Krishna	
38	22H75A0338	Pothabathina Siva Prasad	
39	22H75A0339	Pothuraju Swarna Raj Kumar	
40	22H75A0340	Pujari Santhosh	
41	22H75A0341	Ramisetti Sidhardha	
42	22H75A0342	Ramisetty Gowtham	
43	22H75A0343	Sanikommu Yaswanth	
44	22H75A0344	Shaik John Basha	
45	22H75A0345	Sudhula Hemanth Kumar	
46	22H75A0346	Sunkara Bharath Kumar	
47	22H75A0347	Tallaputta Chandu	
48	22H75A0348	Thalluri Siva Naga Subramanyam	
49	22H75A0349	Velisetti Poorna Venkat	
50	22H75A0350	Yerrapaneni Madhav	
51	22H75A0351	Boyapati Lakshman Rao	

Signature of Coordinator

Signature of HOD

Signature of Principal

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

Feedback Form

Course Name: Data Structures with python.

Duration of the Course: 20 days

(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 to use.

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

   Good to learn but some difficulty.

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

   Every tool is user friendly

4. In what input areas would you prefer to have further training?
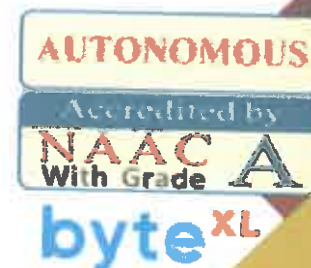
   Java, cloud Computing

5. Further Comments (if any)

   NO

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 With Grade **A**

byte XL

CERTIFICATE

OF PARTICIPATION

Adarsh K

has participated in **JAVA & C** Training Program held from **06-02-2023** to **04-03-2023** organized by Training and Placement Cell, DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY, Kanchikacherla in collaboration with Byte XL India Private Limited, a leading Software Company based in Hyderabad.

Program Coordinator

Head of Department

Dr. K. SRINIVAS Tech., Ph.D (JNTUH)
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@mictech.ac.in, Website: www.mictech.edu.in

AUTONOMOUS
Accredited by
NAAC **A**
With Grade

byte XL

CERTIFICATE
OF PARTICIPATION

Ankasena Reddy D

has participated in **JAVA & C** Training Program held from
06-02-2023 to **04-03-2023** organized by Training and Placement Cell,
DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY, Kanchikacherla in
collaboration with Byte XL India Private Limited, a leading Software
Company based in Hyderabad.

**Program
Coordinator**

**Head of
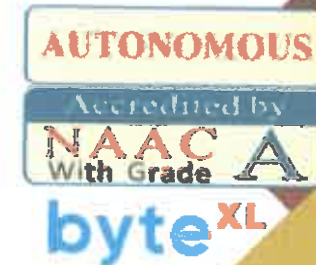Department**

Principal
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

AUTONOMOUS
Accredited by
NAAC A
With Grade
byte XL

CERTIFICATE
OF PARTICIPATION

Bhaskar Reddy S

has participated in **JAVA & C** Training Program held from
06-02-2023 to **04-03-2023** organized by Training and Placement Cell,
DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY, Kanchikacherla in
collaboration with Byte XL India Private Limited, a leading Software
Company based in Hyderabad.

D.Divya
**Program
Coordinator**

**Head of
Department**

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

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

byte XL

CERTIFICATE
OF PARTICIPATION

Deevena Krupanand P

has participated in **JAVA & C** Training Program held from
06-02-2023 to **04-03-2023** organized by Training and Placement Cell,
DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY, Kanchikacherla in
collaboration with Byte XL India Private Limited, a leading Software
Company based in Hyderabad.

Program Coordinator

Head of Department

Principal
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

AUTONOMOUS
Accredited by
NAAC A
With Grade

byte XL

CERTIFICATE
OF PARTICIPATION

Dola Hari Y

has participated in **JAVA & C** Training Program held from
06-02-2023 to **04-03-2023** organized by Training and Placement Cell,
DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY, Kanchikacherla in
collaboration with Byte XL India Private Limited, a leading Software
Company based in Hyderabad.

**Program
Coordinator**

**Head of
Department**

Principal
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

AUTONOMOUS
NAAC With Grade A

DEPARTMENT OF MECHANICAL ENGINEERING

TRAINING PROGRAMME ON JAVA AND C

Attendance Report

Date: 06-03-2023

A.Y:2022-23

The following list of III B.Tech VI Semester (ME) students were attended training programme on JAVA AND C from 06-02-2023 TO 04-03-2023 organized by Training and Placement Cell in association with Byte XL India Private Ltd. Software Company, Hyderabad.

S.No	H.T No	Name of the student	Signature
1	20H71A0301	Adarsh K	
2	20H71A0302	Ankasena Reddy D	
3	20H71A0303	Bhaskar Reddy S	
4	20H71A0304	Deevena Krupanand P	
5	20H71A0305	Dola Hari Y	
6	20H71A0306	Ganesh Kumar N	
7	20H71A0307	H.C.Madhusudhan Rao Y	
8	20H71A0308	Krishna Reddy B	
9	20H71A0309	Krishna Reddy K	
10	20H71A0310	Leela Krishna S	
11	20H71A0311	Lokesh N	
12	20H71A0313	Manoj P	
13	20H71A0314	Mohith T	
14	20H71A0315	Naga Sai Reddy M	
15	20H71A0316	Naga Srinu T	
16	20H71A0317	Najeer Basha Sk	
17	20H71A0318	Naveen Kumar M	
18	20H71A0319	Prudhvi Rajesh Y	
19	20H71A0320	Rakesh Ch	
20	20H71A0321	Sai Preetham S	
21	20H71A0322	Sai Ram M	
22	20H71A0323	Sri Ram S	
23	20H71A0324	Vamsi B	
24	20H71A0325	Venkatasai G	
25	20H71A0326	M.Ganesh	
26	21H75A0353	Saisiddhardhavarma Lanke	
27	21H75A0354	Saiteja Chitla	
28	21H75A0355	Samyel Raju Batthula	
29	21H75A0357	Siva Manikanta Pasupuleti	
30	21H75A0358	Sreekanth Naik Megavathu	
31	21H75A0359	Surendra Kumar Vegireddy	
32	21H75A0360	Suvarchala Devi K	

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

NAAC With Grade A

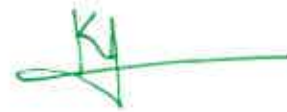| 33 | 21H75A0362 | Syam Prasad Narni | |
34	21H75A0363	Tarun Kodali	
35	21H75A0365	Trinay Chiriki	
36	21H75A0366	Uday Kiran Devarakonda	
37	21H75A0367	Uma Venkata Ramana Thentu	
38	21H75A0368	Vamsi Babu Duddu	
39	21H75A0369	Vamsi Dara	
40	21H75A0370	Venkat Naga Raj Kumar N	
41	21H75A0371	Venkata Naveen Kumar P	
42	21H75A0372	Venkata Prasad Kedasu	
43	21H75A0373	Venkata Satish Chennuri	
44	21H75A0374	Venkata Siva Sai Krishna Kumar R	
45	21H75A0375	Venkata Vamsi Matcha	
46	21H75A0376	Vineeth Vajnepalli	
47	21H75A0377	Vivek Tadepalli	
48	21H75A0301	Ahmad Khan Pathan	
49	21H75A0302	Anil Kumar Sana	
50	21H75A0303	Aravind Kumar Gurram	
51	21H75A0304	Arun Kumar Daggumati	
52	21H75A0305	Bala Murali Krishna Kanakala	
53	21H75A0307	Bhargav Ram Boosi	
54	21H75A0308	Bhargava Krishna P	
55	21H75A0309	Charan Mikkili	
56	21H75A0310	Chethan Karthik Mekala	
57	21H75A0311	Devendra Kumar Gorantla	
58	21H75A0312	Dola Venkata Ramana Prasadula	
59	21H75A0313	Durga Prasad Chennuboina	
60	21H75A0314	Gowri Shankar Varma Nadakuditi	
61	21H75A0315	Gowtham Reddy Mullangi	
62	21H75A0316	Hanuman Mocherla	
63	21H75A0317	Hari Gopal Nimmagadda	
64	21H75A0318	Hema Charan Anagani	
65	21H75A0319	Hemanth P	
66	21H75A0320	Hemanthkumar Gorrela	
67	21H75A0321	Hussain Saheb Shaik	
68	21H75A0322	Jagadesh Patnala	
69	21H75A0323	Jaya Rajesh Menti	
70	21H75A0324	Jyotheswar Baddireddy	
71	21H75A0325	Jyothi Babu Davu	
72	21H75A0326	Kamesh Pusarla	
73	21H75A0327	Karthik Adari	
74	21H75A0328	Kiran Jarugu	
75	21H75A0329	Kranthi Kiran Kakula	
76	21H75A0330	Kranthi Kumar Billingi	
77	21H75A0331	M R Kasturi Rangan	
78	21H75A0332	Madan Singh Kshatri	

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
NAAC A
With Grade

79	21H75A0333	Manikanta Loya	
80	21H75A0334	Mohammad Apsar Shaik	
81	21H75A0335	Murali Thippana	
82	21H75A0336	N Pothu Raju J	
83	21H75A0337	Naga Gopi Krishna Maganti	
84	21H75A0338	Nanda Mohan Devineni	
85	21H75A0339	Nazim Sayyed	
86	21H75A0340	Praveen Ganji	
87	21H75A0341	Prudhviraj Pothanapalli	
88	21H75A0342	Radhakrishna Kunuku	
89	21H75A0343	Raghu Lakshmana Sai Kumar K	
90	21H75A0344	Raj Kumar Bodigadla	
91	21H75A0345	Rama Krishna Burre	
92	21H75A0346	Ramakrishna Thimmasarthi	
93	21H75A0347	Ranjith Kumar Choragudi	
94	21H75A0348	Rathna Raju Konka	
95	21H75A0349	Raviteja Butti	
96	21H75A0350	Sai Kiran Mulagada	
97	21H75A0351	Sai Mohan Ande	
98	21H75A0352	Saikumar Perivi	

Signature of Coordinator
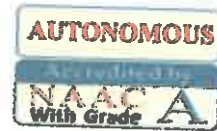
Signature of HOD

Signature of Principal

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
NAAC A
With Grade

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 here by 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) student's from 06.02.23 to 04.03.23. The training schedule is as follows.

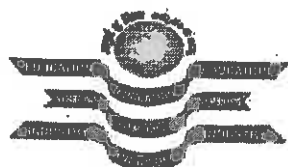**Training schedule:**

Timings: 9.15 AM to 12.30 PM (Forenoon)

1.15 PM to 4.30 PM (Afternoon)

Venues:

CSE Seminar Hall	CSE & ECE Batch 1
ECE Seminar Hall	CSE & ECE Batch 2
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

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
With Grade A

DEPARTMENT OF MECHANICAL 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	: D. Divya
	Assistant Professor, Training & Placement Coordinator
	Department of ME

Target Audience: B. Tech III YEAR students

Total No of Participants: 98

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.

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
With Grade A

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 Java FX)

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.
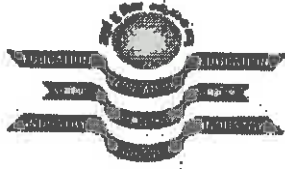
DVR & Dr. HS

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

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.

Programme Coordinator   **HOD**   **Principal**

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 With Grade **A**

byte XL

CERTIFICATE
OF PARTICIPATION

Adarsh K

has participated in **Python** Training Program held from
12-09-2022 to **01-10-2022** organized by Training and Placement Cell,
DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY, Kanchikacherla in
collaboration with Byte XL India Private Limited, a leading Software
Company based in Hyderabad.

Program Coordinator

Head of Department

Principal

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

byte XL

CERTIFICATE
OF PARTICIPATION

Ankasena Reddy D

has participated in **Python** Training Program held from
12-09-2022 to **01-10-2022** organized by Training and Placement Cell,
DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY, Kanchikacherla in
collaboration with **Byte XL India Private Limited,** a leading Software
Company based in Hyderabad.

**Program
Coordinator**

**Head of
Department**

Principal
PRINCIPAL
JVR & 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

AUTONOMOUS
Accredited by
NAAC A
With Grade

byte XL

CERTIFICATE
OF PARTICIPATION

Bhaskar Reddy S

has participated in **Python** Training Program held from
12-09-2022 to **01-10-2022** organized by Training and Placement Cell,
DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY, Kanchikacherla in
collaboration with Byte XL India Private Limited, a leading Software
Company based in Hyderabad.

**Program
Coordinator**

**Head of
Department**

Principal

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

byte^XL

CERTIFICATE
OF PARTICIPATION

Deevena Krupanand P

has participated in **Python** Training Program held from
12-09-2022 to **01-10-2022** organized by Training and Placement Cell,
DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY, Kanchikacherla in
collaboration with Byte XL India Private Limited, a leading Software
Company based in Hyderabad.

D.Divya

**Program
Coordinator**

**Head of
Department**

Principal
PRINCIPAL
VR & 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

AUTONOMOUS

Accredited by

NAAC With Grade **A**

byte^XL

CERTIFICATE
OF PARTICIPATION

Dola Hari Y

has participated in **Python** Training Program held from
12-09-2022 to **01-10-2022** organized by Training and Placement Cell,
DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY, Kanchikacherla in
collaboration with Byte XL India Private Limited, a leading Software
Company based in Hyderabad.

**Program
Coordinator**

**Head of
Department**

Principal

PRINCIPAL
DVR & Dr. HS MIC College of Technology
Kanchikacherla, N.T.R. Dt.

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
NAAC A
With Grade

DEPARTMENT OF MECHANICAL ENGINEERING

TRAINING PROGRAMME ON PYTHON PROGRAMMING

Attendance Report

Date: 03-10-2022

A.Y:2022-23

The following list of III B. Tech V Semester (ME) students were attended training programme on **PYTHON PROGRAMMING** from 12-09-2022 TO 01-10-2022 organized by Training & Placement Cell in collaboration with Byte XL India Private Ltd. Software Company, Hyderabad.

S.No	H.T No	Name of the student	Signature
1	20H71A0301	Adarsh K	
2	20H71A0302	Ankasena Reddy D	
3	20H71A0303	Bhaskar Reddy S	
4	20H71A0304	Deevena Krupanand P	
5	20H71A0305	Dola Hari Y	
6	20H71A0306	Ganesh Kumar N	
7	20H71A0307	H.C.Madhusudhan Rao Y	
8	20H71A0308	Krishna Reddy B	
9	20H71A0309	Krishna Reddy K	
10	20H71A0310	Leela Krishna S	
11	20H71A0311	Lokesh N	
12	20H71A0313	Manoj P	
13	20H71A0314	Mohith T	
14	20H71A0315	Naga Sai Reddy M	
15	20H71A0316	Naga Srinu T	
16	20H71A0317	Najeer Basha Sk	
17	20H71A0318	Naveen Kumar M	
18	20H71A0319	Prudhvi Rajesh Y	
19	20H71A0320	Rakesh Ch	
20	20H71A0321	Sai Preetham S	
21	20H71A0322	Sai Ram M	
22	20H71A0323	Sri Ram S	
23	20H71A0324	Vamsi B	
24	20H71A0325	Venkatasai G	
25	20H71A0326	M.Ganesh	
26	21H75A0353	Saisiddhardhavarma Lanke	
27	21H75A0354	Saiteja Chitla	
28	21H75A0355	Samyel Raju Batthula	
29	21H75A0357	Siva Manikanta Pasupuleti	
30	21H75A0358	Sreekanth Naik Megavathu	
31	21H75A0359	Surendra Kumar Vegireddy	
32	21H75A0360	Suvarchala Devi K	

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

NAAC With Grade **A**

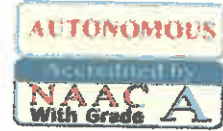|			
33	21H75A0362	Syam Prasad Narni	
34	21H75A0363	Tarun Kodali	
35	21H75A0365	Trinay Chiriki	
36	21H75A0366	Uday Kiran Devarakonda	
37	21H75A0367	Uma Venkata Ramana Thentu	
38	21H75A0368	Vamsi Babu Duddu	
39	21H75A0369	Vamsi Dara	
40	21H75A0370	Venkat Naga Raj Kumar N	
41	21H75A0371	Venkata Naveen Kumar P	
42	21H75A0372	Venkata Prasad Kedasu	
43	21H75A0373	Venkata Satish Chennuri	
44	21H75A0374	Venkata Siva Sai Krishna Kumar R	
45	21H75A0375	Venkata Vamsi Matcha	
46	21H75A0376	Vineeth Vajnepalli	
47	21H75A0377	Vivek Tadepalli	
48	21H75A0301	Ahmad Khan Pathan	
49	21H75A0302	Anil Kumar Sana	
50	21H75A0303	Aravind Kumar Gurram	
51	21H75A0304	Arun Kumar Daggumati	
52	21H75A0305	Bala Murali Krishna Kanakala	
53	21H75A0307	Bhargav Ram Boosi	
54	21H75A0308	Bhargava Krishna P	
55	21H75A0309	Charan Mikkili	
56	21H75A0310	Chethan Karthik Mekala	
57	21H75A0311	Devendra Kumar Gorantla	
58	21H75A0312	Dola Venkata Ramana Prasadula	
59	21H75A0313	Durga Prasad Chennuboina	
60	21H75A0314	Gowri Shankar Varma Nadakuditi	
61	21H75A0315	Gowtham Reddy Mullangi	
62	21H75A0316	Hanuman Mocherla	
63	21H75A0317	Hari Gopal Nimmagadda	
64	21H75A0318	Hema Charan Anagani	
65	21H75A0319	Hemanth P	
66	21H75A0320	Hemanthkumar Gorrela	
67	21H75A0321	Hussain Saheb Shaik	
68	21H75A0322	Jagadesh Patnala	
69	21H75A0323	Jaya Rajesh Menti	
70	21H75A0324	Jyotheswar Baddireddy	
71	21H75A0325	Jyothi Babu Davu	
72.	21H75A0326	Kamesh Pusarla	
73	21H75A0327	Karthik Adari	
74	21H75A0328	Kiran Jarugu	
75	21H75A0329	Kranthi Kiran Kakula	
76	21H75A0330	Kranthi Kumar Billingi	
77	21H75A0331	M R Kasturi Rangan	
78	21H75A0332	Madan Singh Kshatri	

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
NAAC A
With Grade

79	21H75A0333	Manikanta Loya	
80	21H75A0334	Mohammad Apsar Shaik	
81	21H75A0335	Murali Thippana	
82	21H75A0336	N Pothu Raju J	
83	21H75A0337	Naga Gopi Krishna Maganti	
84	21H75A0338	Nanda Mohan Devineni	
85	21H75A0339	Nazim Sayyed	
86	21H75A0340	Praveen Ganji	
87	21H75A0341	Prudhviraj Pothanapalli	
88	21H75A0342	Radhakrishna Kunuku	
89	21H75A0343	Raghu Lakshmana Sai Kumar K	
90	21H75A0344	Raj Kumar Bodigadla	
91	21H75A0345	Rama Krishna Burre	
92	21H75A0346	Ramakrishna Thimmasarthi	
93	21H75A0347	Ranjith Kumar Choragudi	
94	21H75A0348	Rathna Raju Konka	
95	21H75A0349	Raviteja Butti	
96	21H75A0350	Sai Kiran Mulagada	
97	21H75A0351	Sai Mohan Ande	
98	21H75A0352	Saikumar Perivi	

Signature of Coordinator

Signature of HOD

Signature of Principal

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 1ECE
Seminar Hall   CSE & ECE Batch 2
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

DEPARTMENT OF MECHANICAL 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 : D. Divya

Assistant Professor, Training & Placement Coordinator
Department of ME

Target Audience : III B.Tech ME Students

Total no of Participants : 98

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.
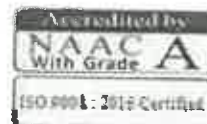- Ability to write clean and efficient code using best practices.

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

- 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 ME students in association with ByteXL India Private Limited, Software Company, Hyderabad. The purpose of the Python programming is to equip participants with a comparative 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.

Programme Coordinator   **HOD**   **Principal**
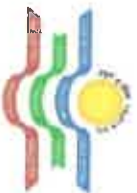
Feedback Form

Course Name: JAVA & C

Duration of the Course: 24 days

(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 and Excellent

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

   Well teaching methods

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

   user Interface is good to learn

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

   I am willing to learn on Python & Data structures.

5. Further Comments (if any)

   No
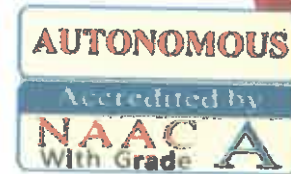
CERTIFICATE

OF PARTICIPATION

Essak. CH

has participated in **Data Structures with Python & C** Training Program held from **22-08-2022** to **01-09-2022** organized by Training and Placement Cell in association with Byte XL India Private Limited, Software Company, Hyderabad at DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY, Kanchikacherla.
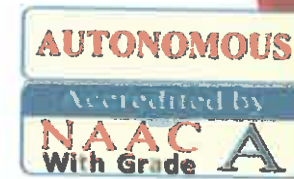
Coordinator

Head of Department

Principal

CERTIFICATE
OF PARTICIPATION

Ganesh. U

has participated in **Data Structures with Python & C** Training Program held from **22-08-2022** to **01-09-2022** organized by Training and Placement Cell in association with Byte XL India Private Limited, Software Company, Hyderabad at DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY, Kanchikacherla.
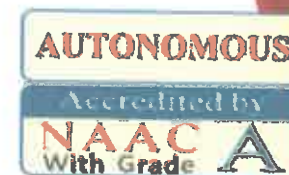
D.Divya
Coordinator

Head of Department

Principal

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 46824
E-mail: office@mictech.ac.in, Website: www.mictech.edu.in

AUTONOMOUS
Accredited by
NAAC With Grade **A**

CERTIFICATE
OF PARTICIPATION

Hari Krishna. Y

has participated in **Data Structures with Python & C** Training Program held from **22-08-2022** to **01-09-2022** organized by Training and Placement Cell in association with Byte XL India Private Limited, Software Company, Hyderabad at DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY, Kanchikacherla.

Coordinator

Head of Department

Principal

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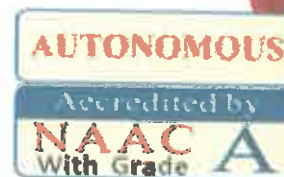
MIC College of Technology

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

CERTIFICATE
OF PARTICIPATION

Leelaprasad. T

has participated in **Data Structures with Python & C** Training Program held from
22-08-2022 to **01-09-2022** organized by Training and Placement Cell in
association with Byte XL India Private Limited, Software Company, Hyderabad at
DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY, Kanchikacherla.

Coordinator

Head of Department

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

AUTONOMOUS
Accredited by
NAAC **A**
With Grade

CERTIFICATE
OF PARTICIPATION

Lohith. V

has participated in **Data Structures with Python & C** Training Program held from **22-08-2022** to **01-09-2022** organized by Training and Placement Cell in association with Byte XL India Private Limited, Software Company, Hyderabad at DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY, Kanchikacherla.
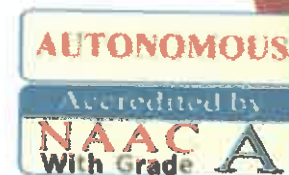
Coordinator

Head of Department

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

AUTONOMOUS

NAAC A
With Grade

DEPARTMENT OF MECHANICAL ENGINEERING

TRAINING PROGRAMME ON DATA STRUCTURES WITH PYTHON AND C

Attendance Report

Date: 02-09-2022

A.Y:2022-23

The following list of IV B.Tech VII Semester (ME) students were attended training programme on **DATA STRUCTURES WITH PYTHON & C** from 22-08-2022 to 01-09-2022 organized by Training and Placement Cell in association with ByteXL India Private Ltd., Software Company, Hyderabad, Telangana.

S.No	H.T No	Name of the student	Signature
1	19H71A0301	Essak. CH	
2	19H71A0302	Ganesh. U	
3	19H71A0303	Hari Krishna. Y	
4	19H71A0304	Leelaprasad. T	
5	19H71A0305	Lohith. V	
6	19H71A0306	Murali. D	
7	19H71A0308	Sravankumar. M	
8	19H71A0309	Surya Teja. P	
9	19H71A0310	Venkata Siva Rama Krishna. K	
10	19H71A0311	Vamsi Babu. B	
11	19H71A0312	Veera Maharshi Siva Ratna. K	
12	19H71A0313	Venkata Anjaneya Prasad. A	
13	20H75A0301	Abdul Shaheed. MD	
14	20H75A0302	Akbar. SK	
15	20H75A0303	Amrutha Prem Sagar. T	
16	20H75A0304	Gnana Deep. T	
17	20H75A0305	Harish. R	
18	20H75A0306	Jeevan Kumar. N	
19	20H75A0307	Kartheek. A	
20	20H75A0308	Karthikeya. Y	
21	20H75A0309	Mahammad Rafi. SK	
22	20H75A0310	Mahesh. B	
23	20H75A0311	Mahesh Varun. K	
24	20H75A0312	Maneesh. V	
25	20H75A0313	Nagaraju. M	
26	20H75A0314	Naveen. K	
27	20H75A0315	Naveen Sagar. P	
28	20H75A0316	Omkar. A	
29	20H75A0317	Prem Kumar. S	
30	20H75A0318	Raja. B	
31	20H75A0320	Ramesh. Y	

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

NAAC A
With Grade

32	20H75A0321	Sanath. P	
33	20H75A0322	P N S S K D Satya Swarup	
34	20H75A0323	Sri Muralinadh. V	
35	20H75A0324	Udaybhaskar. K	
36	20H75A0325	Venkatasai Niranjan. V	
37	20H75A0326	Venkatesh. K	
38	20H75A0327	Venkatesh. R	
39	20H75A0328	Venkateswara Rao. K	

Signature of Coordinator

Signature of HOD

Signature of Principal

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 here by 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:

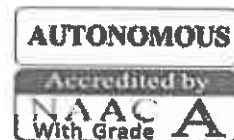| Hall	Session	Students
CSE Seminar Hall	Morning	CSE&ECE
ECE Seminar Hall	Afternoon	CSE&ECE
EEE Seminar Hall	Morning	IT, MECH,
EEE Seminar Hall	Afternoon	CIVIL, EEE

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

Principal

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
With Grade **A**

DEPARTMENT OF MECHANICAL 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	: D. Divya Assistant Professor, T & P Coordinator Department of ME
Target Audience	: IV B.Tech ME Students
Total no of Participants	: 39

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

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
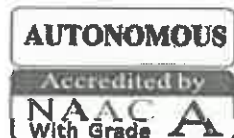E mail: office@mictech.ac.in, Website: www.mictech.edu.in

AUTONOMOUS
Accredited by
NAAC A
With Grade A

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 (In order, Preorder, Post order, 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

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 A

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 : Students are participated in enthusiastic manner. Planned to organize every year.

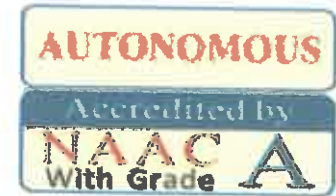**Programme Coordinator**   **HOD**   **Principal**

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 With Grade **A**

CERTIFICATE

OF PARTICIPATION

byte**XL**

Essak. CH

has participated in **Python** Training Programme held from
13-07-2022 to **06-08- 2022** organized by Training and Placement Cell in
association with Byte XL India Private Limited, Software Company,
Hyderabad at DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY,
Kanchikacherla.

D.Divya

**Program
Coordinator**

**Head of
Department**

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

AUTONOMOUS
Accredited by
NAAC A
With Grade

CERTIFICATE

OF PARTICIPATION

Ganesh. U

has participated in **Python** Training Programme held from **13-07-2022** to **06-08- 2022** organized by Training and Placement Cell in association with Byte XL India Private Limited, Software Company, Hyderabad at DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY, Kanchikacherla.

Program Coordinator

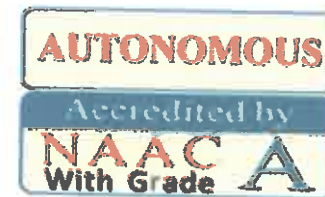**Head of Department**

Principal
DVR & Dr. HS MIC College of Technology
Kanchikacherla, N.T.R. Dt.

AUTONOMOUS
Accredited by
NAAC A
With Grade

CERTIFICATE
OF PARTICIPATION

byte XL

Hari Krishna. Y

has participated in **Python** Training Programme held from
13-07-2022 to **06-08- 2022** organized by Training and Placement Cell in
association with Byte XL India Private Limited, Software Company,
Hyderabad at DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY,
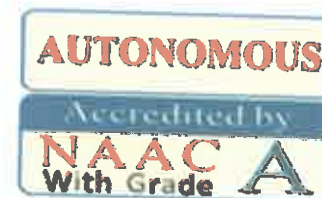Kanchikacherla.

D.Divya
**Program
Coordinator**

**Head of
Department**

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

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

CERTIFICATE

OF PARTICIPATION

byte XL

Leelaprasad. T

has participated in **Python** Training Programme held from **13-07-2022** to **06-08- 2022** organized by Training and Placement Cell in association with Byte XL India Private Limited, Software Company, Hyderabad at DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY, Kanchikacherla.

D.Divya
Program Coordinator

Head of Department

Principal
JVR & Dr. HS MIC College of Technology
Kanchikacherla, N.T.R. Dt.
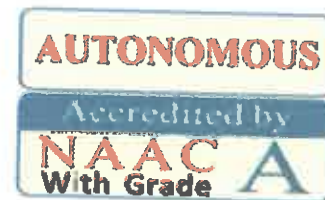
DVR & Dr. HS
MIC College of Technology

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
With Grade **A**

CERTIFICATE

OF PARTICIPATION

byte^{XL}

Lohith. V

has participated in **Python** Training Programme held from
13-07-2022 to **06-08- 2022** organized by Training and Placement Cell in
association with Byte XL India Private Limited, Software Company,
Hyderabad at DVR & Dr. HS MIC COLLEGE OF TECHNOLOGY,
Kanchikacherla.
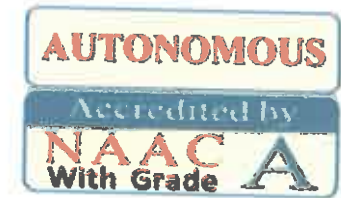
D.Divya
**Program
Coordinator**

**Head of
Department**

Principal
VR & Dr. HS MIC College of Technology
Kanchikacherla, N.T.R. Dt.
Andhra Pradesh, India – Pin 521180

Department: Training and Placement

AcademicYear:2022-23

Date: 20-08-2022

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

Training Programme

All the HOD's, staff and studentsare here by informed that the training andplacement 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
EEESeminarHall	Morning	IT, MECH,
EEESeminarHall	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
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

Accredited by
NAAC
With Grade A
ISO 9001 : 2015 Certified

DEPARTMENT OF MECHANICAL ENGINEERING

A REPORT ON TRAINING PROGRAMME ON PYTHON PROGRAMMING

Date:26/04/2021

Academic year:2020-21

Name of the Event: Python Training Programme

Date(s) of the Event: 29/03/2021 to 23/04/2021

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

Name of the coordinator: Mrs. D.Divya

Assistant Professor, T & P Coordinator

Dept of ME

Target Audience: IV B. Tech Students

Total no of Participants: 54

OBJECTIVE:

The course is designed to provide basic knowledge of Python. Python programming is intended for software engineers, system analysts, program managers and user support personnel who wish to learn the Python programming language.

OVERVIEW:

Python is a widely used general-purpose, high level programming language. It was created by Guido van Rossum in 1991 and further developed by the Python Software Foundation. It was designed with an emphasis on code readability, and its syntax allows programmers to express their concepts in fewer lines of code.

WHY TAKE THIS COURSE:

Python has been voted for the most favorite programming language of all time. It is undoubtedly beating other programming languages. It has been used for developing almost every kind of applications whether it is web applications or game applications. Numerous programmers have increased the use of Python programming languages and it is certainly

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

used worldwide. Python programmers would be the most demandable in the future of IT industries which makes Python future brighter.

LEARNING OUTCOMES

After completing this course the students will be able to demonstrate the knowledge and ability :

- To understand why Python is a useful scripting language for developers.

- To learn how to design and program Python applications.

- To learn how to use lists, tuples, and dictionaries in Python programs.

- To learn how to identify Python object types.

- To learn how to use indexing and slicing to access data in Python programs.

COURSE OUTLINE:

MODULE	TOPICS
Module 1 - Introduction to Python and Computer Programming	• Python - a tool, not a reptile • There is more than one Python • Let's start our Python adventure
Module 2 - Data Types, Variables, Basic Input-Output Operations, Basic Operators	• Your first program • Python literals • Operators - data manipulation tools • Variables - data-shaped boxes
Module 3 - Boolean Values, Conditional Execution, Loops, Lists and List Processing, Logical and Bitwise Operations	• Making decisions in Python • Python's loops • Logic and bit operations in Python • Lists - collections of data • Sorting simple lists - the bubble sort algorithm
Module 4 - Functions, Tuples, Dictionaries, and Data Processing	• Writing functions in Python • How functions communicate with their environment? • Returning a result from a function • Scopes in Python

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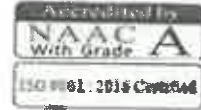
Outcome of event: After completing this training course, students will be able to

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.

Program Coordinators   **HOD**   **Principal**

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
NAAC
With Grade A

DEPARTMENT OF MECHANICAL ENGINEERING

TRAINING PROGRAMME ON PYTHON

Attendance Report

Date: 08-08-2022

A.Y:2022-23

The following list of IVB.Tech VII Semester (ME) students were attended training programme on **PYTHON** from 13-07-2022 TO 06-08-2022 organized by Training & Placement Cell in association with Byte XL India Private Ltd. Software Company, Hyderabad.

S.No	H.T No	Name of the student	Signature
1	19H71A0301	Essak. CH	
2	19H71A0302	Ganesh. U	
3	19H71A0303	Hari Krishna. Y	
4	19H71A0304	Leelaprasad. T	
5	19H71A0305	Lohith. V	
6	19H71A0306	Murali. D	
7	19H71A0308	Sravankumar. M	
8	19H71A0309	Surya Teja. P	
9	19H71A0310	Venkata Siva Rama Krishna. K	
10	19H71A0311	Vamsi Babu. B	
11	19H71A0312	Veera Maharshi Siva Ratna. K	
12	19H71A0313	Venkata Anjaneya Prasad. A	
13	20H75A0301	Abdul Shaheed. MD	
14	20H75A0302	Akbar. SK	
15	20H75A0303	Amrutha Prem Sagar. T	
16	20H75A0304	Gnana Deep. T	
17	20H75A0305	Harish. R	
18	20H75A0306	Jeevan Kumar. N	
19	20H75A0307	Kartheek. A	
20	20H75A0308	Karthikeya. Y	
21	20H75A0309	Mahammad Rafi. SK	
22	20H75A0310	Mahesh. B	
23	20H75A0311	Mahesh Varun. K	
24	20H75A0312	Maneesh. V	
25	20H75A0313	Nagaraju. M	
26	20H75A0314	Naveen. K	
27	20H75A0315	Naveen Sagar. P	
28	20H75A0316	Omkar. A	
29	20H75A0317	Prem Kumar. S	
30	20H75A0318	Raja. B	
31	20H75A0320	Ramesh. Y	

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 16624
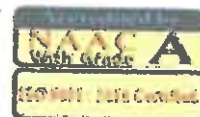E mail: office@mictech.ac.in, Website: www.mictech.edu.in

AUTONOMOUS

NAAC
With Grade **A**

32	20H75A0321	Sanath. P	
33	20H75A0322	P N S S K D Satya Swarup	
34	20H75A0323	Sri Muralinadh. V	
35	20H75A0324	Udaybhaskar. K	
36	20H75A0325	Venkatasai Niranjan. V	
37	20H75A0326	Venkatesh. K	
38	20H75A0327	Venkatesh. R	
39	20H75A0328	Venkateswara Rao. K	

Signature of Coordinator   **Signature of HOD**   **Signature of Principal**

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

Feedback Form

Course Name:

Duration of the Course:

(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.

   Excellent training programme

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

   I learned a lot from this course

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

   It is a very useful tool

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

   I am willing to learn further on Jara advanced

5. Further Comments (if any)

   No.