



DVR & Dr. HS
MIC College of Technology

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



Department of Mechanical Engineering

List of Value Added Courses

A.Y:2022-23

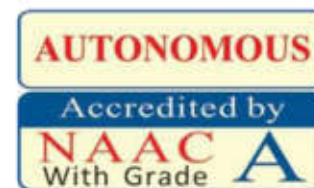
S.No	Name of The Course	Dates	Year	No. of Students Attended
1	JAVA & C	12-04-2023 to 06-05-2023	II B-Tech MECH III SEM	51
2	DATA STRUCTURE WITH PYTHON	28-11-2022 TO 21-12-2022	II B-Tech MECH III SEM	51
3	JAVA AND C	06-02-2023 TO 04-03-2023	III B-Tech MECH V SEM	98
4	PYTHON	12-09-2022 to 01-10-2022	III B-Tech MECH V SEM	98
5	DATA STRUCTURES WITH PYTHON & C	22-08-2022 to 01-09-2022	IV B-Tech MECH VII SEM	39
6	PYTHON	13-07-2022 to 06-08-2022	IV B-Tech MECH VII SEM	39

D. Divya
Signature of Coordinator

AD
Signature of HoD



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



TRAINING & PLACEMENT CELL

TRAINING PROGRAM ON JAVA & C

RESOURCE PERSON 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)
Mr. P. Anil Kumar (CSE)
Mrs. S. Mounika (IT)

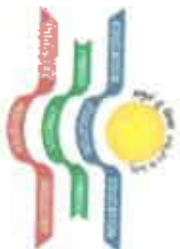
Principal
Dr.K.Srinivas

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

**REGISTRATION
FREE**



DVR & Dr. HS

MIC College of Technology

(NAAC 2021-2023 Certified Institution)

(Approved by AICTE & Permissible Affiliated to JNTUK, Andhra Pradesh)

Kanchikachetty - 521106, NTR Chow. A.P. India

Phone: 08678 - 273333 / 98014 57799 / 73829 10821

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



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)

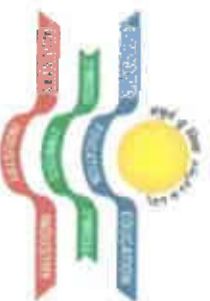
Venues:

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

CSE&ECE Batch1
CSE&ECE Batch2
IT, MECH, CIVIL, EEE
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)
Kanchiacharla - 521160, NTR Dist, A.P, India.
Pho:08678 - 273535 / 94914 57799 / 73826 16824
E mail: office@mictech.ac.in, Website: www.mictech.edu.in



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 : BYTEXT, 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 CLASSES, Introduction to arrays, ARRAYS & DMA, INTRODUCTION TO STRINGS	3
DAY 4	STRINGS STRUCTURS, ENUMERATORS, TYPEDEF, FILES& PREPROCESSOR DIRECTIVES,	3
DAY 5	PREPROCESSOR DIRECTIVES Continued, COMMAND LINE ARGUMENTS	3

DYR & Dr. H9 MIC College of Technology

Syllabus for DATA STRUCTURES with Python(25Hrs)

Topic	Contents
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 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

Photograph:



D. Ranga
Signature of Coordinators

[Signature]
Signature of HOD

[Signature]
Signature of Principal
(Dr. T.Vamsee Kiran)



DVR & Dr. HS
MIC College of Technology

ISO 9001:2015 Certified Institute
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada)
Kanchikacherla - 521180, Krishna Dist, A.P, India.
Phones: 08678 - 273535 / 94914 57799 / 73826 16424
E mail: office@mictech.ac.in, Website: www.mictech.edu.in



Department of Mechanical Engineering

List of Value Added Courses

A.Y:2022-23

S.No	Name of The Course	Dates	Year	No. of Students Attended
1	JAVA & C	12-04-2023 to 06-05-2023	II B-Tech MECH III SEM	51
2	DATA STRUCTURE WITH PYTHON	28-11-2022 TO 21-12-2022	II B-Tech MECH III SEM	51
3	JAVA AND C	06-02-2023 TO 04-03-2023	III B-Tech MECH V SEM	98
4	PYTHON	12-09-2022 to 01-10-2022	III B-Tech MECH V SEM	98
5	DATA STRUCTURES WITH PYTHON & C	22-08-2022 to 01-09-2022	IV B-Tech MECH VII SEM	39
6	PYTHON	13-07-2022 to 06-08-2022	IV B-Tech MECH VII SEM	39


Signature of Coordinator


Signature of HoD



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 - 273555 / 94514 37799 / 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

**REGISTRATION
FREE**

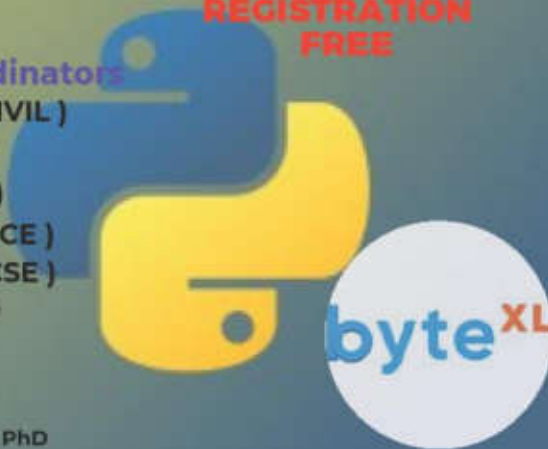
Department Coordinators

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
MIC College of Technology

ISO 9001:2015 Certified Institute
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakamada)
Kanchikacharla - 521180, NTR Dist. A.P. India
Phones: 08678 - 273533 / 94914 57799 / 73826 16874
E-mail: office@mictechdvr.ac.in, Website: www.mictechdvr.ac.in



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 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, AIMAL, 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, AIMAL

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@micotech.ac.in, Website: www.micotech.edu.in



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



MIC College of Technology

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



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



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.
Phones: 08678 - 273535 / 94414 57799 / 73826 16824
E mail: office@micotech.ac.in, Website: www.micotech.ac.in



GREEDY ALGORITHMS

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

Photographs:




Signature of Coordinators


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, Krishna Dist, A.P, India.
Phones: 08678 - 273535 / 94914 57799 / 73826 16824
E mail: office@micotech.ac.in, Website: www.micotech.edu.in



Department of Mechanical Engineering

List of Value Added Courses

A.Y:2022-23

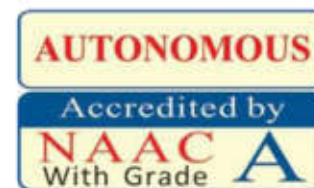
S.No	Name of The Course	Dates	Year	No. of Students Attended
1	JAVA & C	12-04-2023 to 06-05-2023	II B-Tech MECH III SEM	51
2	DATA STRUCTURE WITH PYTHON	28-11-2022 TO 21-12-2022	II B-Tech MECH III SEM	51
3	JAVA AND C	06-02-2023 TO 04-03-2023	III B-Tech MECH V SEM	98
4	PYTHON	12-09-2022 to 01-10-2022	III B-Tech MECH V SEM	98
5	DATA STRUCTURES WITH PYTHON & C	22-08-2022 to 01-09-2022	IV B-Tech MECH VII SEM	39
6	PYTHON	13-07-2022 to 06-08-2022	IV B-Tech MECH VII SEM	39

D. Divya
Signature of Coordinator

AD
Signature of HoD



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



TRAINING & PLACEMENT CELL

TRAINING PROGRAM ON JAVA & C

RESOURCE PERSON 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)
Mr. P. Anil Kumar (CSE)
Mrs. S. Mounika (IT)

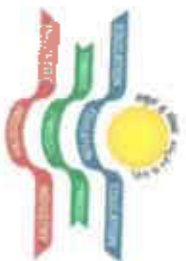
Principal
Dr.K.Srinivas

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

**REGISTRATION
FREE**



DVR & Dr. HS
MTC College of Technology

(ISO 9001:2015 Certified Institute)
(Approved by AICTE & Permanently Affiliated to JNTU-N, Kakinada)
Kamalakshinagar - 531199, NTR DRA, A.P., India
Phone: (0863) - 275555 / 84014 5799 / 27826 16824
E-mail: admissions@mtctech.edu.in, principal@mtctech.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 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)

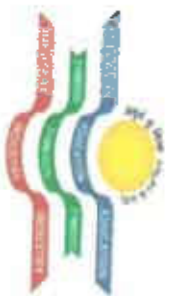
1.15 PM to 4.30 PM (Afternoon)

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



DEPARTMENT OF MECHANICAL ENGINEERING
A REPORT ON TRAINING PROGRAMME ON JAVA & C

Date: 06.03.23

Academic Year: 2022-23

Event Type	: JAVA and C PROGRAMMING
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.

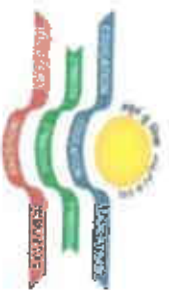
Problem-Solving Skills: Sharpen participants' ability to solve complex programming problems using Java and C. Emphasis will be placed on algorithmic thinking and efficient coding practices.

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)

Kanchiacharla - 531180, NTR Dist, A.P, India

Phone: 08678 - 273535 / 94914 57799 / 73829 16824

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



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

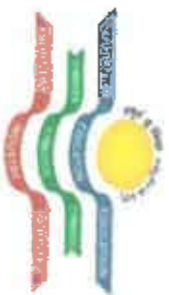
Mock technical interviews and feedback

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 Institution

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

Kanakasabeswara - 521 180, NTR Dist, A.P., India.

Phone: 08678 - 273535 / 94914 57799 / 73826 16824

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



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



DVR & Dr. HS
MIC College of Technology

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



Department of Mechanical Engineering

List of Value Added Courses

A.Y:2022-23

S.No	Name of The Course	Dates	Year	No. of Students Attended
1	JAVA & C	12-04-2023 to 06-05-2023	II B-Tech MECH III SEM	51
2	DATA STRUCTURE WITH PYTHON	28-11-2022 TO 21-12-2022	II B-Tech MECH III SEM	51
3	JAVA AND C	06-02-2023 TO 04-03-2023	III B-Tech MECH V SEM	98
4	PYTHON	12-09-2022 to 01-10-2022	III B-Tech MECH V SEM	98
5	DATA STRUCTURES WITH PYTHON & C	22-08-2022 to 01-09-2022	IV B-Tech MECH VII SEM	39
6	PYTHON	13-07-2022 to 06-08-2022	IV B-Tech MECH VII SEM	39

D. Divya
Signature of Coordinator

AD
Signature of HoD



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@mictch.ac.in, Website: www.mictch.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

**REGISTRATION
FREE**

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)

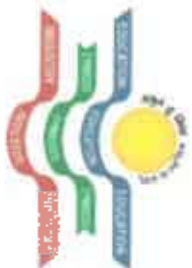
Principal

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

MIC College of Technology

(ISO 9001:2015 Certified Institute)

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

Kanchibhotla - 521180, NTR DRA, A.P, India

Phones: 08678 - 273553 / 84914 57799 / 73826 16624

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



Department: Training and Placement

Academic Year: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 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)

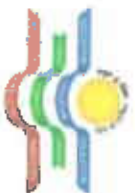
1.15PM to 4.30PM (Afternoon)

Venues:

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

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

Principal



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: D.Divya
Assistant Professor, T & P Coordinator
Dept of ME

Target Audience: IV B. Tech Students

Total no of Participants: 39

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.



DVR & Dr. HS

MIC College of Technology

AITONOKKOT

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

Kondalacherla-531150, NTR Dist. A.P. India.

Tel.No : 08678-273434,9191457199,7343016824

Website : www.mic.ac.in



Photographs:



D. D. D. D.
Program Coordinators

[Signature]
HOD

[Signature]
Principal



DVR & Dr. HS
MIC College of Technology

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



Department of Mechanical Engineering

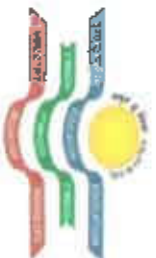
List of Value Added Courses

A.Y:2022-23

S.No	Name of The Course	Dates	Year	No. of Students Attended
1	JAVA & C	12-04-2023 to 06-05-2023	II B-Tech MECH III SEM	51
2	DATA STRUCTURE WITH PYTHON	28-11-2022 TO 21-12-2022	II B-Tech MECH III SEM	51
3	JAVA AND C	06-02-2023 TO 04-03-2023	III B-Tech MECH V SEM	98
4	PYTHON	12-09-2022 to 01-10-2022	III B-Tech MECH V SEM	98
5	DATA STRUCTURES WITH PYTHON & C	22-08-2022 to 01-09-2022	IV B-Tech MECH VII SEM	39
6	PYTHON	13-07-2022 to 06-08-2022	IV B-Tech MECH VII SEM	39

D. Divya
Signature of Coordinator

AD
Signature of HoD



DVR & Dr. HS

MTC College of Technology

ISO 9001:2015 Certified Institution

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

Kakinada - 521160, AP, India.

Phone: 08678 - 373553 / 34014 37369 / 73820 14804

E-mail: office@mtctechnology.ac.in, Website: www.mtctechnology.ac.in



DEPARTMENT OF MECHANICAL ENGINEERING

TRAINING PROGRAMME ON DATA STRUCTURES WITH PYTHON AND C

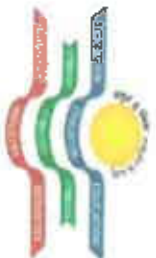
Attendance Report

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	Ch. Essak
2	19H71A0302	Ganesh. U	Ganesh. U
3	19H71A0303	Heri Krishna. Y	Heri Krishna. Y
4	19H71A0304	Leelaprasad. T	Leelaprasad. T
5	19H71A0305	Lohith. V	Lohith. V
6	19H71A0306	Murali. D	Murali. D
7	19H71A0308	Sravan Kumar. M	Sravan Kumar. M
8	19H71A0309	Surva Teja. P	Surva Teja. P
9	19H71A0310	Venkata Siva Rama Krishna. K	Venkata Siva Rama Krishna. K
10	19H71A0311	Vamsi Babu. B	Vamsi Babu. B
11	19H71A0312	Veera Maheshi Siva Rama. K	Veera Maheshi Siva Rama. K
12	19H71A0313	Venkata Anjaneya Prasad. A	Venkata Anjaneya Prasad. A
13	20H75A0301	Abdul Shaleed. MD	Abdul Shaleed. MD
14	20H75A0302	Akber. SK	Akber. SK
15	20H75A0303	Anurutha Prem Sagar. T	Anurutha Prem Sagar. T
16	20H75A0304	Gnana Deep. T	Gnana Deep. T
17	20H75A0305	Harish. R	Harish. R
18	20H75A0306	Jeevan Kumar. N	Jeevan Kumar. N
19	20H75A0307	Karthick. A	Karthick. A
20	20H75A0308	Karthikeya. Y	Karthikeya. Y
21	20H75A0309	Mahammad Rafi. SK	Mahammad Rafi. SK
22	20H75A0310	Mahesh. B	Mahesh. B
23	20H75A0311	Mahesh Varun. K	Mahesh Varun. K
24	20H75A0312	Maneesh. V	Maneesh. V
25	20H75A0313	Nagaraju. M	Nagaraju. M
26	20H75A0314	Naveen. K	Naveen. K
27	20H75A0315	Naveen Sagar. P	Naveen Sagar. P
28	20H75A0316	Omkar. A	Omkar. A
29	20H75A0317	Prem Kumar. S	Prem Kumar. S
30	20H75A0318	Raja. B	Raja. B
31	20H75A0320	Ramesh. Y	Ramesh. Y



DVR & Dr. HS

MIC College of Technology

280/9001/2015 Certified Institution

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

Kamalakshinada - 531180, NTB, EPR, A.P., India.

Phone: 08678 - 273533 / 94914 97759 / 72820 16434

E-mail: office@miccoltech.ac.in, Website: www.miccoltech.ac.in



32	20H75A0321	Saneeth. P	P. Saneeth
33	20H75A0322	P N S S K D Saiya Swarup	P.N.S.S.K.D. Saiya Swarup
34	20H75A0323	Sri Muralimadh. V	S. Muralimadh. V
35	20H75A0324	Uda. Bhaskar. K	K. Uday Bhaskar
36	20H75A0325	Venkatesai Niranjan. V	V. Venkatesh Niranjan
37	20H75A0326	Venkatesh. K	K. Venkatesh
38	20H75A0327	Venkatiah. R	R. Venkatiah
39	20H75A0328	Venkateswara Rao. K	K. Venkateswara 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, Krishna Dist, A.P, India.
Phones: 08678 - 273535 / 94914 57799 / 73826 16824
E mail: office@micotech.ac.in, Website: www.micotech.edu.in



Department of Mechanical Engineering

List of Value Added Courses

A.Y:2022-23

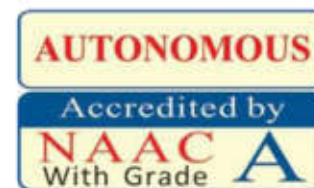
S.No	Name of The Course	Dates	Year	No. of Students Attended
1	JAVA & C	12-04-2023 to 06-05-2023	II B-Tech MECH III SEM	51
2	DATA STRUCTURE WITH PYTHON	28-11-2022 TO 21-12-2022	II B-Tech MECH III SEM	51
3	JAVA AND C	06-02-2023 TO 04-03-2023	III B-Tech MECH V SEM	98
4	PYTHON	12-09-2022 to 01-10-2022	III B-Tech MECH V SEM	98
5	DATA STRUCTURES WITH PYTHON & C	22-08-2022 to 01-09-2022	IV B-Tech MECH VII SEM	39
6	PYTHON	13-07-2022 to 06-08-2022	IV B-Tech MECH VII SEM	39

D. Divya
Signature of Coordinator

AD
Signature of HoD



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



TRAINING & PLACEMENT CELL

TRAINING PROGRAM ON JAVA & C

RESOURCE PERSON 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)
Mr. P. Anil Kumar (CSE)
Mrs. S. Mounika (IT)

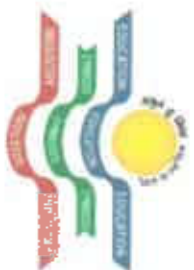
Principal
Dr.K.Srinivas

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

**REGISTRATION
FREE**



DVR & Dr. HS

MIC College of Technology

(ISO 9001:2015 Certified Institute)

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

Kanchibhotla - 521180, NTR DRA, A.P, India

Phones: 08678 - 273553 / 84914 57799 / 73826 16624

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



Department: Training and Placement

Academic Year: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 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)

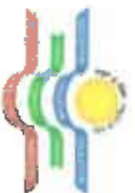
1.15PM to 4.30PM (Afternoon)

Venues:

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

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

Principal



Name of the Event: Python Training Programme

A.Y:2022-23
08/08/2022

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: D.Divya
Assistant Professor, T & P Coordinator
Dept of ME

Target Audience: IV B. Tech Students

Total no of Participants: 39

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.



DVR & Dr. HS

MIC College of Technology

ATONOKOTU

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

Keechilakota-531180, NTR Dist. A.P. India.

Tel.No : 08678-273434,9191457199-734306824

Website : www.mic.ac.in



Photographs:



D. D. D. D.
Program Coordinators

[Signature]
HOD

[Signature]
Principal