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Department of Electrical & Electronics Engineering
1.3.2 Value Added Courses Boucher's, Circular, Course Modules and Outcomes

A.Y:2021-22

S.No	Name of The Course	Dates	Year	No. of Students Attended
1	DATA STRUCTURES	13-06-2022 To 23-06-2022	IV B.Tech	50
2	JAVATRAINING PROGRAMME	01-02-2022 To 12-03-2022	IV B.Tech	74
3	PYTHON PROGRAMMING	06-12-2021 To 8-01-2022	IV B.Tech	75
4	PYTHON PROGRAMMING	18-04-2022 To 24-04-2022	IV B.Tech	55

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Registration Fee
Free

TRAINING AND PLACEMENT CELL

DATA STRUCTURES TRAINING PROGRAM

TOPICS COVERED

1. TIME COMPLEXITY ANALYSIS

2. STACK . QUEUE . LINKED LIST

3. SORTING ALGORITHMS

4. SEARCHING ALGORITHMS

5. BACKTRACKING

6. DYNAMIC PROGRAMMING

7. HASH MAP

8. TRIE

9. SET . HEAP

Resource Person From

BYTEXL India Private Limited Software
Company Hyderabad ,Telangana

13-6-2022
To
23-6-2022

Department Coordinators

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

Mr. M. Tharun (EEE)

Ms. D. Divya (MECH)

Mr. K. Veenanand (ECE)

Ms. K. Vinaya Sree Bai (CSE &
IT)

Principal
Dr.K.Srinivas
M.Tech, PhD

byteXL

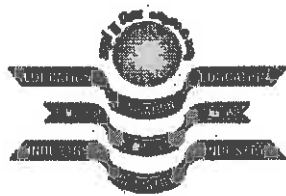**DEPARTMENT:** Training and Placement Cell   **DATE:** 8/6/2022

ACADEMIC YEAR: 2021-22

ORIGINATOR	Training and Placement
CIRCULATED TO	HODs, Faculty and B. Tech Students – All Departments

All the HOD's, staff and students are here by informed that the Training and Placement Cell is conducting **Data Structures** training classes in collaboration with **ByteXL India Pvt Ltd** for B.Tech Student from 13-06-2022 to 23-06-2022. In this regard, all the faculty and students are here by informed to utilize this opportunity.

Principal

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

A REPORT ON TRAINING PROGRAMME ON DATA STRUCTURES

Event Type   : PLACEMENT TRAINING PROGRAMME

Date / Duration   : 13-06-2022 TO 23-06-2022

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

Name of Coordinators   :   Mr. M.Tharun

   Assistant Professor, Training & Placement Coordinator

Target Audience   :B.TechEEE Students

Total no of Participants   :50

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

- To provide the knowledge of basic data structures and their implementations.

- To understand importance of data structures in context of writing efficient programs.

- To develop skills to apply appropriate data structures in problem solving.

Topics covered   :
Time complexity analysis, Arrays (and Vectors obviously), Stack, Queue (Deque), Math based coding questions, Bit Manipulation (Bit Exponentiation, Bit Masking), Linked List (Doubly linked list), Sorting Algos, Strings, Recursion, Backtracking, Hash Map, Set, Heap (priority queue), Multiset, Binary Search, Greedy Approach, Two Pointer Approach, Binary Tree (Binary Search Tree), Dynamic Programming, Graph, Disjoint Set Union, Trie.

Outcome of event   : Students are familiar with

1. basic data structures, their implementation and some of their standard applications

2. Design and analyze basic algorithms and prove their correctness using the appropriate data structure learned in the course.

Description / Report on Event : Training and Placement Cell organized Data Structures and algorithms for the benefit of EEE students on Data Structures and Algorithms in association with ByteXL India Private Limited, Software Company,Hyderabad. The basic concepts are already covered in their second semester. Data structure and algorithms are very important for getting a placement as it helps one to solve programming related problems and help us in cracking campus placements in no time.

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

Photographs:
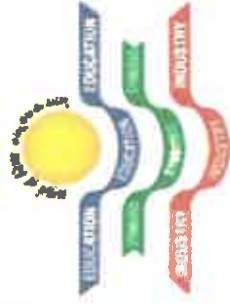

Coordinator   HOD   **Principal**

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TRAINING & PLACEMENT CELL

HANDS ON WORKSHOP ON OBJECT ORIENTED PROGRAMMING USING JAVA

1-02-2022 to 12-03-2022

REGISTRATION FREE

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)
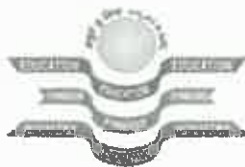Ms. K. Vinaya Sree Bai (CSE & IT)
Principal
Dr.K.Srinivas
M.Tech, PhD

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TOPICS COVERED

1. Introduction to java and OOPS

2. Java Tokens, Comments Identifiers, Keywords, Separators

3. Working With Java Editors Softwares- Editplus, NetBeans, Eclipse

4. Packages with Static imports

5. Working with jar

6. Modifiers-File Level, Access level and Non-access level

7. Datatypes, literals, variables type Conversion, Casting & Promotion etc.

DEPARTMENT: Training and Placement Cell   **DATE:** 25/01/2022

ACADEMIC YEAR: 2021-22

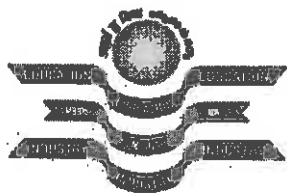| ORIGINATOR	Principal
CIRCULATED TO·	HODs, Faculty and B. Tech Students – All Departments.

All the HOD's, staff and students are here by informed that the Training and Placement Cell is conducting **Java Programming** training classes in collaboration with ByteXL India Pvt Ltd for B.Tech Students from 01-02-2022 to 12-03-2022. The training schedule is as follows.

Training schedule:

S.No	Students	Hall	Timings
1	EEE	EEE Seminar Hall	1PM to 4:20PM
2	CSE	CSE Seminar Hall	9PM to 12.40PM
3·	ME	ECE Seminar Hall	1PM to 4:20PM
4	ECE	ECE Seminar Hall	9PM to 12.40PM
5	CIVIL	EEE Seminar Hall	9PM to 12.40PM
6	IT	ECE Seminar Hall	1PM to 4:20PM

Principal

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

A.Y:2021-22

A REPORT ON "JAVATRAINING PROGRAMME"

Event Type	: PLACEMENT TRAINING PROGRAMME
Date / Duration	: 01-02-2022 TO 12-03-2022
Resource Person From	: Byte XL India Private Ltd, Software Company, Hyderabad
Name of Coordinators	:M.Tharun Assistant Professor,EEE
Target Audience	:B.Tech EEE students
Total no of Participants	:74
Objective of the event	:The learning objectives of this course are:

- To learn why Java is useful for the design of desktop and web applications.
- To learn how to implement object-oriented designs with Java.
- To identify Java language components and how they work together in applications.
- To design and program stand-alone Java applications.
- To learn how to design a graphical user interface (GUI)
- To understand how to use Java APIs for program development.

Topics covered :.Overview of Java Fundamentals, JDBC, Eclipse- IDE, AdvancedJDBCConcepts, Exception Handling,Servlets, RDBMS & SQL, Spring framework.

Outcome of event :

Description / Report on Event : Department of EEE conducted a training programme for the benefit of EEE students on placement related topics in Java in association with ByteXL India Private Limited, Software Company,Hyderabad. The basic concepts are already covered in their second semester.

Java Training Contents

1. Introduction to Java and OOPS
2. Java Tokens- Comments, Identifiers, Keywords, Separators
3. Working with Java Editor Softwares – Editplus, NetBeans, Eclipse
4. Packages with static imports
5. Working with jar
6. Modifiers – File level, Access level and Non-access level
7. Datatypes, Literals, Variables, Type Conversion, Casting & Promotion
8. Reading runtime values from keyboard and Properties File
9. Operators and Control Statements
10. Method and Types of methods
11. Variable and Types of Variables
12. Constructor and Types of constructors
13. Block and Types of Blocks
14. Declarations, Invocations and Executions
15. Compiler & JVM Architecture with Reflection API
16. Static Members and their execution control flow
17. Non-Static Members and their execution control flow
18. Final Variables and their rules
19. Classes and Types of classes
20. OOPS- Fundamentals, Models, Relations and Principles
21. Coupling and Cohesion (MVC and LCRP Architectures)
22. Types of objects & Garbage Collection
23. Arrays and Var-arg types
24. Enum and Annotation
25. Design Patterns
26. API and API Documentation
27. Fundamental Classes – Object, Class, System, Runtime
28. String Handling
29. Exception Handling and Assertions
30. Multithreading with JVM Architecture
31. IO Streams (File IO)
32. Networking (Socket Programming)
33. Wrapper Classes with Auto boxing and unboxing
34. Collections with Generics
35. Java 5, 6, 7, 8 new features
36. Inner classes
37. AWT, Swings, Applet
38. Regular Expressions
39. Formatting date, time (java.text package)

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

Photographs:

Coordinator　　　　　　　　　　　　**HOD**　　　　　　　　　　　　**Principal**

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TRAINING & PLACEMENT CELL

TRAINING PROGRAMME ON PYTHON FUNDAMENTALS

6-12-2021 to 8-1-2022

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)

Ms. K Vinaya Sree Bai (CSE & IT)

Principal

Dr.K.Srinivas

M.Tech, Ph.D

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1.Programming Techniques
- .How to use logging
- .Testing for Modification
- .Timing Functions , Profilling memory

2.Measuring Perfomance
- .Timing Functions, .Profilling memory
- .Dictionary
- .Formatted String Literals

3.Data Structures
- .Basic Architecture
- .Exchanging Data Using JSON
- .Counters, Arrays ,Queues, Context Manager,Using With, Building a Context

4.Network,Client Server

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DEPARTMENT: Training and Placement Cell

DATE: 4/12/2021

ACADEMIC YEAR: 2021-22

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

All the HOD's, staff and students are here by informed that the Training and Placement Cell is conducting Python Programming training classes in collaboration with Byte XL India Pvt. Ltd for II B.Tech (CSE,ECE,IT,MECH,CIVIL,EEE,AIML,AIDS) Students from 6/12/2021 to 8/1/2022. The training schedule is as follows.

Training schedule:

S.No	Students	Timings
1	II EEE,II AIML	1PM to 4:20PM
2	II CSE	9AM to 12.40PM
3	II ME, II CIVIL	1PM to 4:20PM
4	II ECE	9AM to 12.40PM
5	II IT,II AIDS	1PM to 4:20PM

Principal

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

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With Grade

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

A REPORT ON TRAINING PROGRAMME ON PYTHON PROGRAMMING FUNDAMENTALS

Event Type   : PLACEMENT TRAINING PROGRAMME

Date / Duration   : 06-12-2021 to 8-01-2022

Resource Person From   : Byte XL India Private Ltd,

      Software Company, Hyderabad

Name of Coordinators   :M.Tharun

      Assistant Professor, EEE

Target Audience   : BTECH EEE STUDENTS

Total no of Participants   :75

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

Topics covered   :. This programme is aimed to familiarize students on advanced topics in Python for professional programming. It contains sections on logging, debugging, profiling, and packaging. The course covers theory and programming ability. For each topic, the course presents one example, one or two new development exercises with class solutions, and one or two debugging exercises.

Topics covered   :Programming Techniques, Measuring Performance, Some New Techniques and Modules, Decorators, Closures, Lambdas, and Comprehensions, Data Structures   Network Client Server, RESTful Applications, Concurrent Programming, Git and Revision Cont.

Outcome of event   : Students are familiar with
Programming tools: Git, Jupiter Notebook, and pydoc
Programming techniques: logging, debugging profiling,
And packaging.

Description / Report on Event : Department of EEE conducted a certification programme for the benefit of EEE students on advanced topics in python in association with ByteXL India Private Limited, Software Company,Hyderabad. The basic concepts are already covered in their second semester.
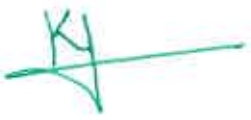
Feedback / Suggestions :Students are participated in enthusiastic manner.
Planned to organize every year.

Photograph:

Coordinator   **HOD**   **Principal**

Organized By

Training & Placement Cell

DVR & Dr. HS

MIC College of Technology

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TRAINING & PLACEMENT CELL

TRAINING PROGRAM ON PYTHON PROGRAMMING FUNDAMENTALS

18-04-2022
to
24-04-2022

Registration Free

1. Python Fundamentals
2. Measuring Performance
3. Data Structures
4. Lambdas
5. Git and Revision Control
6. Measuring Perfomance
7. New Techniques and Modules
8. Python Development Tools

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)
Ms. K. Vinaya Sree Bai (CSE & IT)

Principal
Dr. K.Srinivas

M.Tech, PhD

DEPARTMENT: Training and Placement Cell
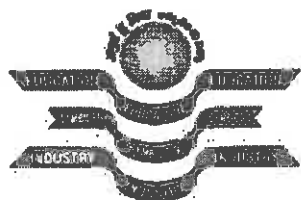
Date: 14/04/2021

Academic Year: 2021-22

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

All the HOD's, staff and students are here by informed that the Training and Placement Cell is conducting Python Programming training classes in collaboration with ByteXL India Pvt Ltd for B.Tech Student from 18-04-2022 TO 24-04-2022. In this regard, all the faculty and students are here by informed to utilize this opportunity.
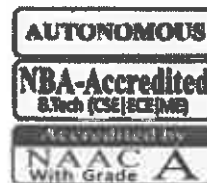
Principal

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

A REPORT ON TRAINING PROGRAMME ON PYTHON PROGRAMMING FUNDAMENTALS

Event Type : PLACEMENT TRAINING PROGRAMME

Date / Duration : 18-04-2022 TO 24-04-2022

Resource Person From : Byte XL India Private Ltd,

Software Company, Hyderabad

Name of Coordinators : M.Tharun

Assistant Professor, EEE

Target Audience : B.Tech EEE Students

Total no of Participants : 55

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

Topics covered : . This Programme is aimed to familiarize students on advanced topics in Python for professional programming. It contains sections on logging, debugging, profiling, and packaging. The course covers theory and programming ability. For each topic, the course presents one example, one or two new development exercises with class solutions, and one or two debugging exercises.

Topics covered : Programming Techniques, Measuring Performance, Some New Techniques and Modules, Decorators, Closures, Lambdas, and Comprehensions, Data Structures Network Client Server, RESTful Applications, Concurrent Programming, Git and Revision Cont.

Outcome of event : Students are familiar with
Programming tools: Git, Jupyter Notebook, and pydoc
Programming techniques: logging, debugging profiling,
and packaging.

Description / Report on Event : Department of Information technology conducted a certification programme for the benefit of II BTech III semester IT students on advanced topics in python in association with ByteXL India Private Limited, Software Company,Hyderabad. The basic concepts are already covered in their second semester.

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

Photograph:

Coordinator   **HOD**   **Principal**