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MIC College of Technology

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Kanchikacherry - 521180, Krishna Dist. A.P. India
Phones: 08678 - 273535 - 94914 57999 - 73876 16824
E-mail: office@mictech.ac.in, Website: www.mictech.edu.in



Department of Information Technology

List of Value Added Courses

A.Y:2020-21

S.No	Name of The Course	Dates	Year	No. of Students Attended
1	Certification Programme On Advanced Python Programming	21-12-2020 to 27/12/2020	II B. Tech IT III Semester	61
2	Hands On Workshop On Object Oriented Programming Using Java	25/10/2021 to 29/10/2021	III B. Tech IT V Semester	60
3	Training Programme On Python Fundamentals	11/10/2021 TO 16/10/2021	IV B. Tech VII Semester	57
4	One Week Training Programme On Data Structures Through Python	25/10/2021 TO 29/10/2021	IV B. Tech VII Semester	57

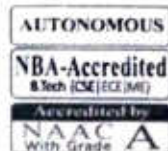

Signature of Coordinator


Signature of HoD



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Department of Information Technology

A.Y:2020-21

II B.Tech (IT) Students List

S.NO	REGD NO	NAME OF THE STUDENT	COURSE NAME	DURATION
1	19H71A1204	Chandra Mouli Setti	Programming Essentials in Python	21-5-2021 to 23-6-2021
2	19H71A1206	Dayakar Yedumbakula	Programming Essentials in Python	21-5-2021 to 23-6-2021
3	19H71A1206	Dayakar Yedumbakula	Usable Security	21-5-2021 to 23-6-2021
4	19H71A1215	Kavya Jaladi	Programming Essentials in Python	25-5-2021 to 27-6-2021
5	19H71A1244	Sai Anu Deepthi Malliseti	Programming Essentials in Python	20-5-2021 to 22-6-2021
6	19H71A1261	Venkatasiva Vattikuti	Programming for Everybody (Getting Started with Python)	11-6-2020 to 21-7-2020
7	19H71A1262	Yasaswini Damarla	Python for Machine Learning	12-6-2020 to 15-7-2020
8	19H71A1262	Yasaswini Damarla	Command Line and Git	1-6-2020 to 2-7-2020

K. Vinay Sree
Signature of Coordinator

[Signature]
Signature of HoD



Devineni Venkata Ramana & Dr.Hima Sekhar
MIC College of Technology
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Kanchikacherla - 521180, Krishna Dist, A.P, India.
Phone : 08678 - 273535, 273623, Fax: 08678 - 273569
e mail: dvtomic@mictech.ac.in, Website: www.mictech.ac.in



DEPARTMENT OF INFORMATION TECHNOLOGY

Certification Program on Advanced Python Programming

Registration fee: **FREE**



RESOURCE PERSON

Mr. Saketh Kallepu
Chief Management Officer
And Data Science Mentor
Codegnan IT Solution Vijayawada

COORDINATORS

Mr. K . Mahanti
Assistant professor

Mrs. S . Lavanya
Assistant professor

21-12-2020
TO
27-12-2020

S NO.	TOPICS	TOPICS COVERED
1.	Programming Techniques	<ul style="list-style-type: none">• How to Use Logging• Testing for Modification• Debugging Techniques for Faster Programming
2.	Measuring Performance	<ul style="list-style-type: none">• Timing Functions Profiling Memory
3.	Some New Techniques and Modules	<ul style="list-style-type: none">• Dictionary• Formatted String Literals• Assignment Expression• Match Case Statement• Sets and Set Operators
4.	Decorators, Closures, Lambdas, and Comprehensions	<ul style="list-style-type: none">• Introduction to Closures and Enclosed Functions• What Is a Decorator?• Understanding How Decorators Work• Writing a Simple Decorator
5.	Data Structures	<ul style="list-style-type: none">• Basic Architectures• Exchanging Data Using JSON• Client & Server Programming for HTTP
6.	Network Client Server	<ul style="list-style-type: none">• Counters, Arrays, Queues, Context Manager, Using with, Building a Context
7.	RESTful Applications	<ul style="list-style-type: none">• Description• HTTP Requests and Responses
8.	Concurrent Programming	<ul style="list-style-type: none">• What Is Concurrent Programming?• Working with Subprocesses• Techniques of Thread Programming• Details of Multiprocessing• Using concurrent.futures



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Kanchikachetty - 521180, Krishna Dist. A.P. India.
Phone : 086 78 - 2736335, 2736633, Fax: 086 78 - 273569
e mail: devmiccollege@gmail.com, Website: www.mictech.ac.in



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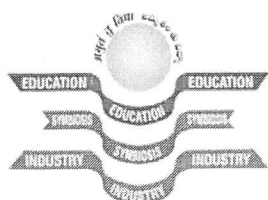
Day Wise Schedule For Certification Programme On Python Programming (21-12-2020 TO 27-12-2020)

DAY	Session-1 (9AM-10:30AM)	10:30AM To 11AM	Session-2 (11AM-12:30PM)	12:30PM To 1:30PM	for Certification Programme On Advanced Session-3 (1:30PM-3PM)	3 To 3:15PM	Session-4 (3:15PM-4:30PM)
21-12-2020	Inauguration Function	Tea Break			Python Development Tools	Tea Break	
22-12-2020	Measuring Performance	Lunch Break			Measuring Performance	Programming Techniques Some	
23-12-2020	Data Structures	Lunch Break			Data Structures	New Techniques and Modules	
24-12-2020	Decorators,	Lunch Break			Lambdas,	RESTful Applications	
25-12-2020	Git and Revision Control	Lunch Break			Git and Revision Control	Network Client Server	
26-12-2020	Measuring Performance	Lunch Break			Measuring Performance	Comprehensions	
27-12-2020	Concurrent Programming	Lunch Break			Concurrent Programming	Closures,	
		Lunch Break			Valedictory Function	Closures,	

Signature of Coordinator
(Mr. K.Mahanthi)

HOD
(Mr. D.Prasad)

Principal
(Dr. K.Srinivas)



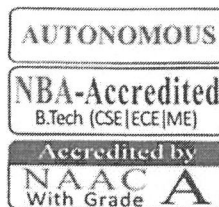
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A REPORT ON CERTIFICATION PROGRAMME ON ADVANCED PYTHON PROGRAMMING


Event Type	: Skill Development Program
Date / Duration	: 21-12-2020 TO 27-12-2020
Resource Person	: Mr. Saketh Kallepu Chief Management Officer and Data Science Mentor CODEGNAN IT SOLUTIONS, Vijayawada
Name of Coordinators	: 1. Mr. K.Mahanthi, Assistant Professor, Department of IT 2. Mrs. S.Lavanya Assistant Professor, Department of IT
Target Audience	: II BTech III semester students
Total no of Participants	: 66
Objective of the event	: 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 B.Tech III semester IT students on advanced topics in python in association with Codegnan IT solutions, Vijayawada. The basic concepts are already covered in their second semester.

Feedback / Suggestions

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

Signature of Coordinators
Mr.K.Mahanthi 
Mrs. S.Lavanya 


Signature of HOD
(Mr.D.Prasad)


Signature of Principal
(Dr.K.Srinivas)

TOPICS COVERED

1. Review of java programming
2. Eclipse -IDE
3. Exception Handling
4. JUnit
5. RDMS & SQL
6. XML
7. AJAX
8. MAVEN
9. Hibernate
10. Spring
11. JDBC
12. Advanced JDBC Concept
13. RESET
14. ANGULAR



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DEPARTMENT OF INFORMATION TECHNOLOGY

HANDS ON WORKSHOP ON OBJECT ORIENTED PROGRAMMING USING JAVA

RESOURCE PERSON

Mr. Ch.Vijay Kumar

Head Of The Department

Basic Engineering Department

COORDINATOR

Mrs. A. Anuradha

Assistant Professor

Department of IT

Principal

Dr. K.Srinivas

M.Tech, PhD

25-10-2021
to
29-10-2021

FREE



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Day Wise Schedule for Certification Programme on Object Oriented Programming Using Java

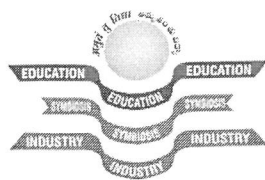
(25-10-2021 to 29-10-2021)

DAY	Session-1 (9AM-10:30AM)	10:30AM To 11AM	Session-2 (11AM-12:30PM)	12:30PM To 1:30PM	Session-3 (1:30PM-3PM)	3 To 3:15PM	Session-4 (3:15PM-4:30PM)	
25-10-2021	Inauguration Function	Tea Break	Understanding the Eclipse Workspace	Lunch Break	Exception Handling	Tea Break	JUnit	
26-10-2021	RDBMS & SQL		XML		AJAX			MAVEN
27-10-2021	Hibernate		Spring		JDBC		Advanced JDBC Concepts	
28-10-2021	Overview of HTML & CSS		Servlets		JSP & JavaScript		REST	
29-10-2021	Angular		Creating a Simple Angular Application		Advanced Angular Concepts		Angular Components and Services	

Signature of Coordinator
(Mrs.A.Anuradha)

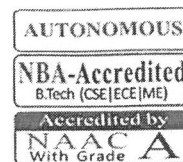
HoD
(Mr.D.Prasad)

Principal
(Dr.K.Srinivas)



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**A REPORT ON SIX-DAYS HANDS ON WORKSHOP ON OBJECT ORIENTED
PROGRAMMING USING JAVA**

Event Type	: WORKSHOP
Date / Duration	: 25-10-2021 TO 29-10-2021
Resource Person	: Mr. Ch.Vijay Kumar HoD, Basic Engineering Department DVR & Dr. HS MIC College of Technology.
Name of Coordinators	: Mrs. A.Anuradha, Assistant Professor, Department of IT
Target Audience	: III B.Tech V Semester Students
Total no of Participants	: 60
Objective of the event	: The learning objectives of this course are: <ul style="list-style-type: none">• 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, Advanced JDBC Concepts, Exception Handling, Servlet, RDBMS & SQL, Spring framework.
Outcome of event	: Students are familiar with the topics that are used to develop and implement applications in Java with hands on training.

Description / Report on Event : Department of Information technology conducted a certification programme for the benefit of III B.Tech V semester IT students on advanced topics in Java to implement projects using hands on training . The basic concepts are already covered in their fourth semester. This workshop helps students in implementing mini projects in Java. Java Programming is intended for software engineers, systems analysts, program managers and user support personnel who wish to learn the Java programming language.

Feedback / Suggestions : Students are participated in enthusiastic manner.



Signature of Coordinator

(Mrs.A.Anuradha)



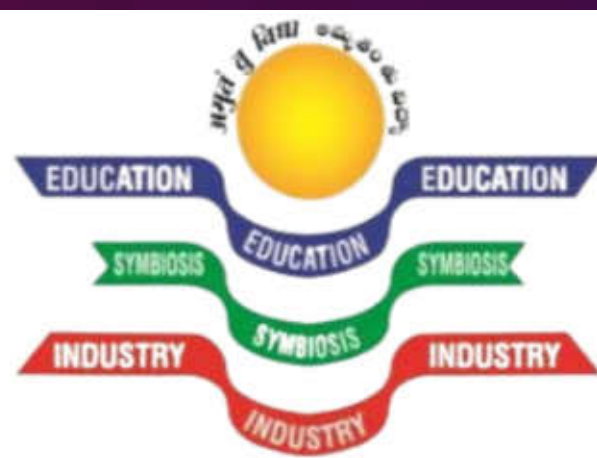
Signature of HOD

(Mr.D.Prasad)



Signature of Principal

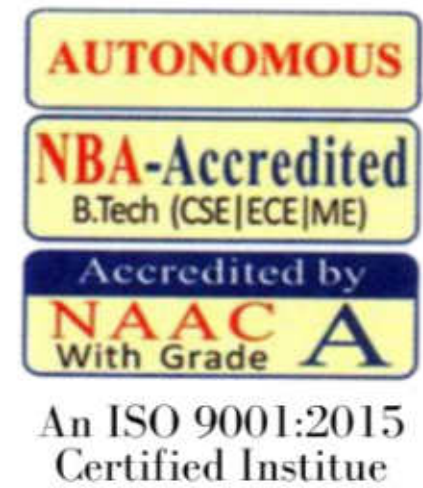
(Dr.K.Srinivas)



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DEPARTMENT OF INFORMATION TECHNOLOGY TRAINING PROGRAM ON PYTHON FUNDAMENTALS

**Registration fee :
FREE**

RESOURCE PERSON

Mrs. A.Anuradha

Assistant Professor,
Department of IT

Coordinator

Mrs. S.Lavanya

Assistant Professor,
Department of IT

Principal

Dr.K. Srinivas

M . Tech , PhD

**11-10-2021
TO**

16-10-2021

1. Python Fundamentals

2. Measuring Performance

3. Data Structures

4. Lambdas

5. Git and Revision Control

6. Measuring Performance

7. New Techniques and Modules

8. Python Development Tools

9. REST full Applications

10. Network Client Server



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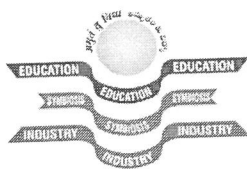
Day Wise Schedule for Certification Programme On Python Programming Fundamentals
(11-10-2021-16-10-2021)

DAY	Session-1 (9AM-10:30AM)	10:30AM To 11AM	Session-2 (11AM-12:30PM)	12:30PM To 1:30PM	Session-3 (1:30PM-3PM)	3 To 3:15PM	Session-4 (3:15PM-4:30PM)
11-10-2021	Inauguration Function	Tea Break	Python Development Tools	Lunch Break	Programming Techniques	Tea Break	Programming Techniques Some
12-10-2021	Measuring Performance		Measuring Performance		New Techniques and Modules		New Techniques and Modules
13-10-2021	Data Structures		Data Structures		RESTful Applications		RESTful Applications
14-10-2021	Decorators,		Lambdas,		Network Client Server		Network Client Server
15-10-2021	Git and Revision Control		Git and Revision Control		Comprehensions		Comprehensions
16-10-2021	Measuring Performance		Measuring Performance		Closures,		Closures,


Signature of Coordinator
(Mrs. S.Lavanya)

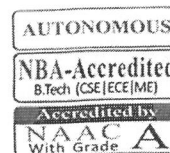

HoD
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DEPARTMENT OF INFORMATION TECHNOLOGY

**A REPORT ON TRAINING PROGRAMME ON PYTHON PROGRAMMING
FUNDAMENTALS**

Event Type	: PLACEMENT TRAINING PROGRAMME
Date / Duration	: 11-10-2021 TO 16-10-2021
Resource Person	: Mrs. A.Anuradha Assistant Professor, DVR & Dr .HS MIC College of Technology.
Name of Coordinators	: Mrs. S.Lavanya Assistant Professor, Department of IT
Target Audience	: IV B.Tech VII Semester Students
Total no of Participants	: 55
Objective of the event	: The learning objectives of this course are:
Topics covered	: Overview of Java Fundamentals, JDBC, Eclipse- IDE, Advanced JDBC Concepts, Exception Handling, Servlet, RDBMS & SQL, String framework.
Outcome of event	: Students are familiar with <ul style="list-style-type: none">• Enhance data analysis skills: With Python Programming, you can easily analyze and manipulate data, making it easier to extract insights and make informed decisions.• Improve coding skills: Learning Python Programming for data science will give you a foundation in coding that can be useful in a variety of other applications.• Stay relevant in the job market: Python Programming is one of the most widely used languages in data science, so learning it can help keep you competitive in the job market.

- Open up new job opportunities: With the increasing demand for data science professionals, there are many job opportunities available for those with Python Programming skills.

Description / Report on Event : Department of Information technology conducted a Training programme on Python Fundamentals for the benefit of IV B.Tech VII semester IT students. This training is particularly helpful for final year students to seek job opportunities while attending campus placements.

Feedback / Suggestions : Students are participated in enthusiastic manner.



Signature of Coordinator

(Mrs. S.Lavanya)



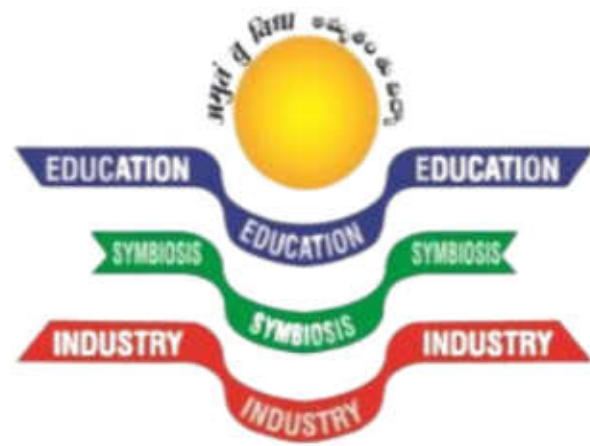
Signature of HOD

(Mr. D.Prasad)



Signature of Principal

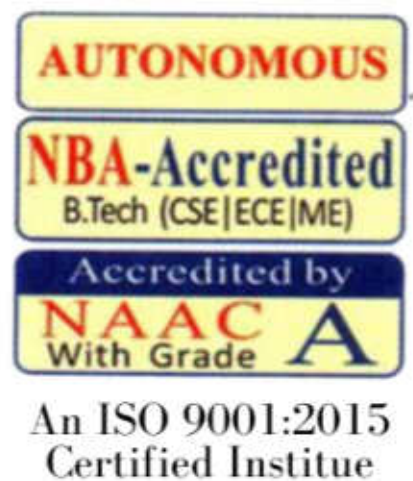
(Dr.K.Srinivas)



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DEPARTMENT OF INFORMATION TECHNOLOGY

ONE WEEK TRAINING PROGRAMME ON DATA STRUCTURES THROUGH PYTHON

Registration Fee
FREE

RESOURCE PERSON

Mr .K.Swami

Assistant Professor,
DVR & Dr HS MIC College of Technology.

Coordinator

Mr. P.Narasimha Rao

Assistant Professor,
Department of IT

Principal

Dr. K. Srinivas

M .Tech, PhD

25-10-2021
To
29-10-2021

1.Introduction to NumPy,SciPY, Pandas

2.Data Processing Using Arrays

3.NumPY Essentials Arrays amd Vectorized
Computation

4.Plotting and width Pandas

5.Getting Started with Pandas

6.Data Analysis with SciPY

7.Handling Missing Data

8.Hierarchical Indexing

9.Data Aggregation



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Day Wise Schedule for Certification Programme on Data Structures through Python
(25-10-2021 to 29-10-2021)

DAY	Session-1 (9AM-10:30AM)	10:30AM To 11AM	Session-2 (11AM-12:30PM)	12:30P M To 1:30PM	Session-3 (1:30PM-3PM)	3 To 3:15PM	Session-4 (3:15PM-4:30PM)
25-10-2021	Inauguration Function	Tea Break	Introduction to NumPy, SciPy, Pandas	Lunch Break	Accessing and Preparing Data	Tea Break	Stripping Out Extraneous Information
26-10-2021	NumPy Essentials Arrays and Vectorized Computation		Data Processing Using Arrays		Linear Algebra		Random Number Generation
27-10-2021	Getting Started with pandas		Handling Missing Data		Hierarchical Indexing		Reshaping and Pivoting
28-10-2021	Plotting and Vtualization	Tea Break	Plotting Maps	Lunch Break	Data Aggregation	Tea Break	GroupBy Mechanics
29-10-2021	Data Analysis with SciPy		Spatial and Clustering Analysis		Machine Learning with Scikit-learn		Supervised Learning

Signature of Coordinator
(Mr.P.Narasimha Rao)

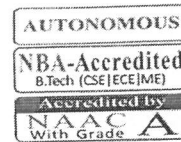
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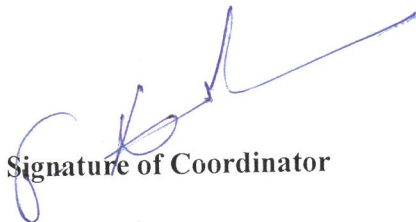
**A REPORT ON ONE WEEK TRAINING PROGRAMME ON DATA STRUCTURES
THROUGH PYTHON**

Event Type	: PLACEMENT TRAINING PROGRAMME
Date / Duration	: 25-10-2021 TO 29-10-2021
Resource Person	: Mr. K.Swami Assistant Professor, DVR & Dr. HS MIC College of Technology.
Name of Coordinators	: Mr. P.Narasimha Rao Assistant Professor, Department of IT
Target Audience	: IV B.Tech VII Semester Students
Total no of Participants	: 58
Objective of the event	: This programme is aimed to familiarize students on basic concepts in Python and data structures. Sorting and searching techniques, Binary trees, and Graphs.
Topics covered	: sorting and searching techniques, time complexity analysis, Binary trees, and Graphs.
Outcome of event	: Students are familiar with <ul style="list-style-type: none">• Enhance data analysis skills: With Python Programming, you can easily analyze and manipulate data, making it easier to extract insights and make informed decisions.• Improve coding skills: Learning Python Programming for data science will give you a foundation in coding that can be useful in a variety of other applications.• Stay relevant in the job market: Python Programming is one of the most widely used languages in data science, so learning it can help keep you competitive in the job market.• Open up new job opportunities: With the increasing demand for data science Professionals, there are many job opportunities available for those with Python Programming skills.


Description / Report on Event :

Department of Information technology conducted a Training programme on Python Fundamentals for the benefit of IV BTech VII semester IT students. This training is particularly helpful for final year students to seek job opportunities while attending campus placements.


Feedback / Suggestions : Students are participated in enthusiastic manner.



Signature of Coordinator
(Mr.P.Narasimha Rao)



Signature of HOD
(Mr.D.Prasad)



Signature of principal
(Dr. K.Srinivas)