

G. K. Gujar Memorial Charitable Trust's, Dr. Ashok Gujar Technical Institute's Dr. Daulatrao Aher College of Engineering, Karad.

Department of Computer Science & Engineering

Date: 20/01/2024

Proposal for Two days Workshop

To,
The Principal,
AGTI's DACOE, Karad

Subject: Permission to organize two days workshop on "Python Programming"

I am Mrs. Archana H.Renushe working as an Assistant Professor in Computer Science & Engineering Department interested in coordinating two days workshop on "Python Programming" for Computer Science & Engineering final year students on 23rd and 24th January 2024.

Target Audience

Final year UG Students

Aim of Session

Participants are expected to learn the basics of Python, including syntax, data types, control structures, functions, and modules. The goal is to establish a solid foundation upon which they can build further knowledge.

Through practical exercises and projects, the workshop provides hands-on experience in coding, which is crucial for understanding theoretical concepts and for learning how to apply them.

The Objective of Session

Familiarize participants with common Python libraries and modules that extend the functionality of Python, such as NumPy, Pandas, and Matplotlib.



Resource Persons and schedule of Session

	Resource person: Mr. Aaditya Thakare, MITU Skillologies, Pune							
Day / Date		N.	Time	00				
	10.00am to 12.00pm 12.00pm 01.00		01.00pm to 03.00pm	03.00pm to 05.00pm				
Tuesday / 23/01/2024 Wednesday/ 24/01/2024	Session 1: 1)Python Programming 2) Basics, literals, operators, expressions		Session 2: 1) if-else statements 2) for, while, break and continue 3) list, tuple, set, dictionary	Session 3: 1) Functions 2) How to use modules? 3) classes and objects				
	Session 1: 1) Numerical Python 2) Array creation and manipulation routines 3) Structured Data Analysis	LUNCH BREAK	Session 2: 1) Data import, transform, sorting 2) Filtering, analyzing, exporting 3) Data Visualization 4) Using matplotlib	Session 3: 1) line, scatter, box, pie, hist plots 2) Machine Learning with scikit-learn 3) Sample Linear Regression Algorithm				

Following is the organizing committee

- Mrs. S. P. Kakade, Head in Computer Science & Engineering department
- Mrs. A. H. Renushe, Program Coordinator
- Ms. P.V.Sonawane , Program Co-Coordinator
- Ms. S. D. Bhandari, Organizing Member Mrs. D.R. Kamble, Organizing Member
- Ms. A.R.Kadve, Organizing Member
- Mr. N.A.Thorat, Organizing Member
- Mrs.A.A. Karande, Organizing Member
- Ms. T.R. Shinde, Organizing Member
- Mr. A.D.Thorat, Organizing Member
- Mrs. J.P. Sarawade, Organizing Member
- Ms.S.A Shikalgar, Organizing Member

Details of Expenditure

Sr. No.	Activity	Amount (Rs.)
1	Resource person renumaration	18000/-
2	Lunch, tea and Breakfast expenses (Guest/Resource Person)	1000/-
3	Other Expenditure(photos, Flex, Felicitation of guest/experts)	1000/-
	Total expenditure(Rs.)	20000/-
	Total expenditure (Rs. In words): Twenty Thousand	only

Total Expenditure: 20000 /- INR

Prepared By:

Program coordinator:

Mrs. A. H. Renushe

Program Co-coordinaton

Ms. P.V. Sonawand

Approved By:

HOD CSE: Mrs. S.P.Kakade



G. K. Gujar Memorial Charitable Trust's, Dr. Ashok Gujar Technical Institute's Dr. Daulatrao Aher College of Engineering, Karad.

Department of Computer Science & Engineering

Date: - 20/01/2024

Notice

All the B.tech final year students are hereby informed that our department is organizing two days workshop on "Python Precision: A workshop for AI and ML Excellence" in association with MITU Skillologies, Pune which starts from 23rd to 24th January 2024. This Workshop will help you in developing coding style, logic, and problem-solving approach, which is essential for their growth as programmers. To get benefited all have to register for the same.

Time: 9.30am to 5.00pm

Note: -

1. Registration link was send to your class whatsApp group.

2. Those who have laptop they can bring the laptop.

Prepared By:

Program coordinator:

Ms. A.H.Renushe

Program Co-coordinator

Ms. P.V.Sonawane

Approved By:

HOD CSE : Mrs. S.P.Kakade



G.K. Gujar Memorial Charitable Trust's

Dr. Ashok Gujar Technical Institute's,

Dr. Daulatrao Aher College of Engineering, Karad.

Vidyanagar Ext. Banawadi, Tal. Karad 415124, Dist. Satara, Maharashtra INDIA

Program Name: Python Precision: A workshop for AI and ML

DACOE/PRGM/COF-FRM- 02

Department: Computer Science and Engineering

COF-FRM-02- Rev. No: 0

Course Objectives & Course Outcome

Course Objectives

- Enhance Python Proficiency.
- Focus on Precision in AI and ML Implementation.
- · Advanced Libraries Mastery.
- Gain proficiency in using Python for data cleaning, preprocessing, and transformation tasks.
- Learn to handle missing data, outliers, and data imbalances in datasets using Python techniques.
- Master Python libraries such as NumPy, Pandas, Matplotlib, and Seaborn for data manipulation, analysis, and visualization.
- Gain practical knowledge through hands-on projects and case studies that integrate Python with data science and AI/ML concepts.
- Understand the importance of data governance, privacy, and security in AI/ML applications using Python.

Course Outcome

- Students confidently used Python as a primary tool for data analysis, visualization, and machine learning tasks.
- Efficiently manipulate and transform data using Pandas for real-world data science applications.
- Students have created detailed and informative visualizations using Matplotlib and Seaborn to convey data insights effectively.
- Students have performed complex numerical operations on large datasets using NumPy, optimizing performance and accuracy.
- Students have tackled data quality issues, clean data, and merge multiple datasets to prepare for analysis.

Mrs. A. H. Renushe Miss.P.V.Sonawane	Mrs. S. P. Kakade
Program Coordinators	HOD



Department of Computer Science and Engineering

Course Objectives and Outcomes

Two Days Workshop on

"Python Precision: A workshop for AI and ML Excellence"

Course objectives:

- Enhance Python Proficiency
- Focus on Precision in AI and ML Implementation
- · Advanced Libraries Mastery

Course Outcomes:

COs	Statements	Bloom's Level
1	Define the fundamental concepts of Python programming.	2
2	Demonstrate proficiency in manipulating these data structures for various tasks.	2
3	Analyze the structure and purpose of functions in Python.	2
4	Describe the basic concepts and workflow of machine learning using scikit-learn.	2
5	Create and customize various types of plots using Matplotlib to visualize data for different analytical purposes.	6
6	Apply NumPy functions to manipulate arrays and pandas operations to analyze structured data effectively.	3

Course Articulation Matrix (CO-PO Mapping)

COs	POs					PSOs								
COs	PO1	PO2	РО3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	2		2									1	
CO2	3	2	2		1	1					50		2	1
CO3	3	2	3	2	2	1							2	1
CO4	3	2	1	1	1								2	1
CO5	3	2	2		2	1							2	2
C06	3	2	2	1	1								2	2

Prepared	By:
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Name: Mrs.A.H.Renushe

Ms.P.V.Sonavane

Approved By:

HOD CSE:



G. K. Gujar Memorial Charitable Trust's, Dr. Ashok Gujar Technical Institute's Dr. Daulatrao Aher College of Engineering, Karad.

Department of Computer Science & Engineering

Date:-20/01/2024

Schedule

Workshop on "Python Precision: A workshop for AI and ML Excellence"

	Resource person: I Researcher and Ti		. Thakare Skillologies, Pune		
Day /	Time				
Date	09.30am to to 12.30pm to 12.30pm to 12.30pm		02.30pm to 04.30pm		
Tuesday / 23/01/2024	Session 1: 1)Python Programming 2) Basics, literals, operators, expressions 3)print, input functions	L U N C H B	Session 2: 1) if-else statements 2) for, while, break and continue 3) list, tuple, set, dictionary	Session 3: 1) Functions 2) How to use modules? 3) classes and objects	
Wednesday 24/01/2024	functions B R E A		Session 2: 1) Data import, transform, sorting 2) Filtering, analyzing, exporting 3) Data Visualization 4) Using matplotlib	Session 3: 1) line, scatter, box, pie, hist plots 2) Machine Learning with scikit-learn 3) Sample Linear Regression Algorithm	

Prepared By : Program coordinator : Mrs. A. H. Renushe Program Co-coordinator

Ms. P.V. Sonawane

Approved By:

HOD CSE: Mrs. S.P.Kakade

A COMPLETE INDUSTRIAL TRAINING ON

PYTHON PROGRAMMING

with Advanced Libraries

Turning what is unknown into what is known is the power of Machine Learning

MITU SKILLOLOGIES

Second Floor, Ratnatara Complex, Kranti Chowk, Navi Sangvi, Pimpri Chinchwad, Maharashtra 411 027



PROGRAM MODULES

This we learn...

Day - 1

- · Python Programming
- · Basics, literals, operators, expressions
- · print, input functions
- · if-else statements
- · for, while, break and continue
- · list, tuple, set, dictionary
- Functions
- · How to use modules?
- classes and objects

Day - 2

- · Numerical Python
- · Array creation and manipulation routines
- · Structured Data Analysis
- · Data import, transform, sorting
- · Filtering, analyzing, exporting
- Data Visualization
- Using matplotlib
- · line, scatter, box, pie, hist plots
- · Machine Learning with scikit-learn
- · Sample Linear Regression Algorithm



SCHEDULING

The things to know...

Timings:

Total: 12 Hrs

23rd and 24th January 2024

Training Charges

₹18,000 (for any number of candidates)

Study Material:

The complete study material will be provided by company in soft copy with free access to the Python course from MITU Skillologies!

Certification:

MITU Skillologies will provide the authorized company e-certification of attendance to all the participants.

Accommodation:

Required for one person

Traveling Charges:

At actual needed.

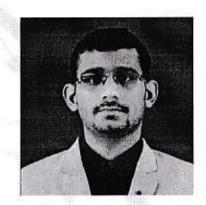


KNOW YOUR TRAINERS

They will be for you...

Aditya Thakare

Aditya is a dedicated researcher, trainer, and avid open-source enthusiast. With a background in engineering from Pune University, he honored his skills further by completing a PG Diploma in Artificial Intelligence from ACTS, CDAC, Pune. He conducted more than 25 student training programs.



Know more: https://mitu.co.in/aditya



https://www.linkedin.com/in/aditya-thakare72





Department of Computer Science and Engineering

Two days workshop on "Python Precision: A Workshop for AI and ML Excellence"

Day Two Attendance

Roll.		Sign					
No.	Name of the Student	Session1	Session2	Session3			
24001	Bagwan Kamilm Rafique	Kanpagwar					
24002	Bansode Vidya Pravin	1 0					
24003	Chavan Prashant Yuvraj						
24004	Chavan Shubham Sanjay						
24005	Chorage Ankita Chandrakant	2.6		7.2			
24006	Chorage Pratik Arjun	P.A Uotage	P.A. Chardye	P.A. chrose			
24007	Couto Glenn Gilbert	gh-6040					
24008	Chavan Tejaswini Dilip						
24009	Desai Rohan Ramesh						
24010	Gadale Snehal Krishna	OKaadde	Wasdole	(Kardole			
24011	Gawade Komal Kiran						
24012	Gurav Aishwarya Rajendra						
24013	Inamdar Diya Ramjan	- tya.	- stufa	TYA			
24014	Inamdar Zaid Salim	Z511	ZSLA	2212 X			
24015	Jadhav Snehal Sanjay	Af-	DK.	Sk			
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24018	Kamble Pooja Babasaheb		Property of the Property of th				
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24020	Karande Neha Ganesh						
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24022	Katu Omkar Baban						
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24024	Khot Shruti Sharad	Shal	scheit.				
24025	Kodulkar Omkar Arun			- OLG IA			
24026	Kumbhar Prathmesh Popat	- ADKHAM	paul	DAM			
24027	Lawand Manasi Mahesh	Mond.	March.	Mared.			



Department of Computer Science and Engineering

24028	Lohar Prajakta Prakash	- Garat	John	Achen
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24042	Patil Saylee Sanjay	Parti	Mooty	Booth
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Department of Computer Science and Engineering

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24064	Shinde Sanika Sanjay			
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Department of Computer Science and Engineering

Two days workshop on "Python Precision: A Workshop for AI and ML Excellence"

Day One Attendance

Roll.		Sign					
No.	Name of the Student	Session1	Session2	Session3			
24001	Bagwan Kamilm Rafique	Kantagwas.	Kan Baguar.	Kantoagwa			
24002	Bansode Vidya Pravin	* ' ' '		7 8			
24003	Chavan Prashant Yuvraj	Ober.	Chang.	vi			
24004	Chavan Shubham Sanjay	Sulvani.	Surpay				
24005	Chorage Ankita Chandrakant	Therage	horage	Horate			
24006	Chorage Pratik Arjun	Rehorde	Aphorage	Browade			
24007	Couto Glenn Gilbert	Flenn C	Glenc	Gem.C			
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24013	Inamdar Diya Ramjan	-144	-jyd				
24014	Inamdar Zaid Salim	252	212	2510			
24015	Jadhav Snehal Sanjay	28	ale	QC.			
24016	Kadam Sakshi Milind	Caksu!	Baksu	Sakou			
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24019	Karale Aakanksha Chandrakant	- April	garde	Morale			
24020	Karande Neha Ganesh	NG.	NGS.	No			
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Department of Computer Science and Engineering

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24053	Pawar Pratik Shankar	84	811	
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24062	Shikalgar Juned Kamruddin	Glikalga	+ Dany	1



Department of Computer Science and Engineering

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G.K. Gujar Memorial Charitable Trust's Dr. Ashok Gujar Technical Institute's, Dr. Daulatrao Aher College of Engineering, Karad. Vidyanagar Ext. Banawadi, Tal. Karad 415124, Dist. Satara, Maharashtra INDIA

Feedback of Students on Two days workshop on "Python Precision: A Workshop for AI and ML Excellence"

Date:-

On a scale of 1-4 where 1 is strongly disagree and 4 is strongly agree, please circle the most appropriate answer:

1. The workshop venue was:		_		
a) Comfortable	1	(2)	3	4
b) Well located		2	(3)	4 `
2. The workshop content was:				
a) Relevant	1	2	(3)	4
b) Comprehensive		(2)	3	4
c) Easy to understand		2	(3)	4
3. The workshop I complete is applicable to my work.		(2)	3	4
4. The trainer were:		4	A S	
a) Knowledgeable	1	2	3	(4)
b) Well-prepared	1	(2)	3	4
c) Responsive to participants' questions		2	(3)	4
What did you like best about this workshop? Would you recommend this workshop to someone else?		Yes	1	No.



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Date:-

On a scale of 1-4 where 1 is strongly disagree and 4 is strongly agree, please circle the most appropriate answer:

1. The workshop venue was:		13		
a) Comfortable	1	(2)	3	4
b) Well located		2	3	4 '
2. The workshop content was:		W		
a) Relevant	1	2	(3)	4
b) Comprehensive		(2)	3	4
c) Easy to understand		2	3	(4)
3. The workshop I complete is applicable to my work.		2	(3)	4
4. The trainer were:	197			
a) Knowledgeable	1	2	(3)	4
b) Well-prepared	1	(2)	3	4
c) Responsive to participants' questions		2	3	(4)
What did you like best about this workshop? Would you recommend this workshop to someone else?	3	Yes		No



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Dr. Daulatrao Aher College of Engineering, Karad.

Vidyanagar Ext. Banawadi, Tal. Karad 415124, Dist. Satara, Maharashtra INDIA

Program Name: Python Precision: A workshop for AI and ML

DACOE/PRGM/COF-FRM- 02

Department: Computer Science and Engineering

COF-FRM-02- Rev. No: 0

Activity Report

Program/Activity Name: Python Precision: A workshop for AI and ML Excellence

Day and Date: Monday, 23rd January 2024 to 24th January, 2024

Duration: Two days

Academic Year: 2023-24

Program type: workshop

Name and details of speaker: Mr. Aditya S. Thakare Researcher and Trainer MITU Skillologies, Pune

Objective of activity: 1. Basics of python programming

2. Numerical python, data visualization

Benefit in terms of learning/skill/knowledge obtained: Able to do python programs

Outcome/Remark: utilize knowledge of python programming for academics and projects



Broucher/Banner (if any):

Link of Event: - NA

Attendance Summary: Number of Participants: 59





Photographs:

Mrs. A. H. Renushe Miss.P.V.Sonawane	Lollar			
Program Coordinators	HOD			