

01.03.2024

From

Mrs. Priyadharsini.V,
Assistant Professor,
Department of AI&DS,
Akshaya College of Engineering and Technology,
Kinathukadavu.

*Permitted
H.S.S*

To

The Principal,
Akshaya College of Engineering and Technology,
Kinathukadavu.

Respected Sir/Madam,

Subject: Requisition to conduct training programme on "Python Novice to Ninja"-
Reg

I am writing this letter to request your permission to conduct a Capacity Building and Skill Enhancement training programme on "**Python Novice to Ninja**" for all the Final Year Fast Learners category of students in the Department of CSE, ECE and Mechatronics from 04.03.2024 to 09.03.2024 to improve their programming skills. The training programme is hosted by the trainer from Guvi Training center. Kindly provide permission for conducting the same.

Thanking You

Yours faithfully

Priyadharsini.V
(Priyadharsini.V)

R.V.S

R.V.S



AKSHAYA

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Affiliated to Anna University & Accredited by NAAC)

Kinathukadavu, Coimbatore-642109. www.acetcbe.edu.in



Ref: ACET/PRL/T&P/2023-2024

01.03.2024

CIRCULAR

All the Final Year Fast Learners category of students in the Department of CSE, ECE and Mechatronics are informed that the Training and Placement Cell planned to conduct Capacity Building and Skill Enhancement training programme on "Python Novice to Ninja". This program is scheduled from 04.03.2024 to 09.03.2024 in Computer Lab. Your presence is truly esteemed and we believe your participation will contribute immensely to the enriching experience of our event

H.S.
Principal

PRINCIPAL
Akshaya College of Engineering and Technology
Kinathukadavu, Coimbatore - 642109.

Cc: Submitted to the Managing Trustee & Chairman for Information

Cc to: All HoDs with a request to circulate among the students

Cc to: File

R. V. S.

R. V. S.



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TRAINING & PLACEMENT CELL
organises

CAPACITY BUILDING AND SKILL ENHANCEMENT

Training Programme On

PYTHON NOVICE TO NINJA

Resource person

Ms. Shadiya P P

DATA SCIENCE SPECIALIST,
GUVI GEEK NETWORK PRIVATE LIMITED,

Date : 04.03.2024 to 09.03.2024

@ Computer Lab

Coordinators, ACET

Prof. Vishnushree.S, AP / ECE
Prof. Ananthi.K, AP / CSE

    acetcbe



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TRAINING AND PLACEMENT CELL

Report on “PYTHON NOVICE TO NINJA”

Title of the session : PYTHON NOVICE TO NINJA

Date : 04.03.2024 to 09.03.2024

Duration : 6 Day

Resource Person : Ms.Shadiya P P,
Data Science Specialist,
Guvi Geek Network Pvt Ltd.

Objective of the Training

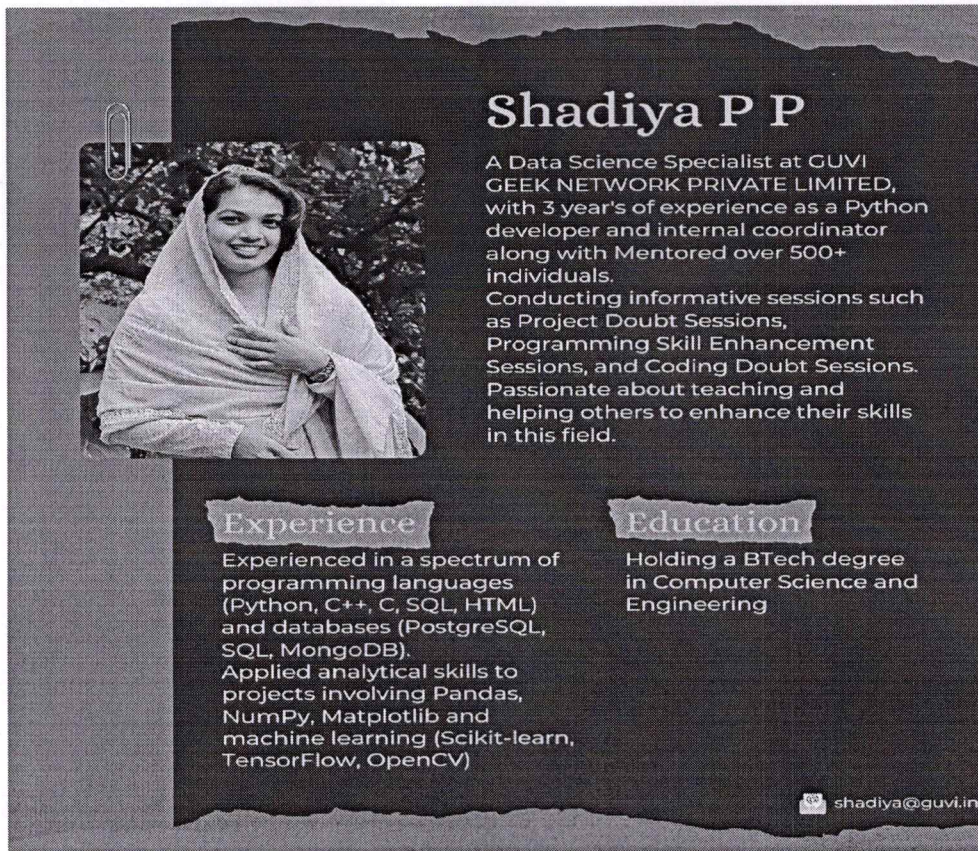
1. To elevate the programming skill.
2. To develop competitive programs in Python.
3. To Explore Python libraries and tools for data science tasks.
4. Provide best practices and optimization strategies for Python in data science projects.
5. To develop a mini project in data science with python.

Context:

Company Profile:

Guvi Geek Network Pvt Ltd., established in 2014 and based in Chennai, India, is a technology company specializing in online learning solutions. Founded by Arun Prakash, Balamurugan Muthuraman, and Sridevi Muthuraman, Guvi offers coding platforms, skill development courses, and corporate training services. Its mission is to democratize tech education, fostering continuous learning and innovation through hackathons and workshops. Guvi aims to bridge the gap between industry demand and tech talent supply, empowering individuals and organizations worldwide.

Resource Person Profile:



The profile card features a black and white photograph of Shadiya P P, a woman wearing a white shawl, smiling. The card has a dark background with white text. The name 'Shadiya P P' is prominently displayed at the top right. Below the name is a short biography. At the bottom, there are two columns: 'Experience' and 'Education'. A small paperclip icon is visible on the left side of the card, and a contact email 'shadiya@guvi.in' is at the bottom right.

Shadiya P P

A Data Science Specialist at GUVI GEEK NETWORK PRIVATE LIMITED, with 3 year's of experience as a Python developer and internal coordinator along with Mentored over 500+ individuals.
Conducting informative sessions such as Project Doubt Sessions, Programming Skill Enhancement Sessions, and Coding Doubt Sessions. Passionate about teaching and helping others to enhance their skills in this field.

Experience

Experienced in a spectrum of programming languages (Python, C++, C, SQL, HTML) and databases (PostgreSQL, SQL, MongoDB).
Applied analytical skills to projects involving Pandas, NumPy, Matplotlib and machine learning (Scikit-learn, TensorFlow, OpenCV)

Education

Holding a BTech degree in Computer Science and Engineering

shadiya@guvi.in

Day 1: Python Basics and Data Types

- Introduction to Python: History, features, and applications
- Setting up Python environment
- Python syntax: Variables, operators, and basic data types (integers, floats, strings)
- Hands-on exercises and coding practice

Sample screenshot:

```
▶ a="Hello"  
  b="World"  
  c=a+" "+b  
  print(c)
```

Hello World

Examples:2

```
+ Code + Text Copy to Drive ✓ RAM Disk Colab AI
```

```
0s ▶ a=56  
b=9  
c=a+b  
d=a-b  
e=a*b  
f=a/b  
g=a//b  
h=a%b  
i=a**b  
print(c)  
print(d)  
print(e)  
print(f)  
print(g)  
print(h)  
print(i)
```

```
65  
47  
504  
6.2222222222222222  
6  
2  
5416169448144896
```

Day 2:

- Control structures: If statements, loops (for and while)

CONDITIONAL STATEMENTS

```
[ ] age=int(input("Enter the age of the person:"))  
if(age>=18):  
    print("Eligible")  
print("Not Eligible")
```

```
Enter the age of the person:16  
Not Eligible
```

```
[ ] marks=int(input("Enter the marks of the student:"))  
if(marks>=15):  
    print("PASS")  
else:  
    print("FAIL")
```

```
Enter the marks of the student:14  
FAIL
```

LOOPS

```
[ ] l=[1,52,5,3,5,3,1,5,21,54,23]
    i=int(input("Enter the no.:"))
    for i in l:
        print(i)
```

Enter the no.:23

```
1
52
5
3
5
3
1
5
21
54
23
```

- Basic input/output operations

Day 3:

- Lists, tuples, dictionaries, and sets: Data structures in Python
- Examples:

```
✓ 0s ▶ l2=[1,2,3,"Harsha"]
    l2.append(45)
    print(l2)

[1, 2, 3, 'Harsha', 45]
```

TUPLE

```
✓ 0s ▶ t=()
    dir(t)

↳ ['__add__',
    '__class__',
    '__class_getitem__',
    '__contains__',
    '__delattr__',
    '__dir__',
    '__doc__',
    '__eq__',
    '__format__',
    '__ge__',
    '__getattr__',
    '__getitem__',
    '__getnewargs__',
    '__gt__',
    '__hash__',
    '__init__',
    '__init_subclass__',
    '__iter__',
    '__le__']
```

SET

✓
0s

```
▶ a = set()  
dir(a)
```

```
↳ ['__and__',  
    '__class__',  
    '__class_getitem__',  
    '__contains__',  
    '__delattr__',  
    '__dir__',  
    '__doc__',  
    '__eq__',  
    '__format__',  
    '__ge__',  
    '__getattr__',  
    '__gt__',  
    '__hash__',  
    '__iand__',  
    '__init__',  
    '__init_subclass__',  
    '__ior__',  
    '__isub__',  
    '__iter__',
```

DICTIONARY

```
[ ] me={"name": "Harsha", "age": 20, "state": "Andhra Pradesh", "email": "devireddyharsha2003@gmail.com"}  
me
```

```
{'name': 'Harsha',  
  'age': 20,  
  'state': 'Andhra Pradesh',  
  'email': 'devireddyharsha2003@gmail.com'}
```

```
[ ] from pprint import pprint  
pprint(me)
```

```
{'age': 20,  
  'email': 'devireddyharsha2003@gmail.com',  
  'name': 'Harsha',  
  'state': 'Andhra Pradesh'}
```


Day 4: GUESSING GAME

Examples:

```
import random
count=0
n=None
secret_number=random.randint(0,100)
while n!=secret_number:
    n=int(input("Enter the number:"))
    if n<secret_number:
        print("Guess Greater")
        count+=1
    elif n>secret_number:
        print("Guess Smaller")
        count+=1
    else:
        print("You have Gussed the Correct Number:",secret_number)
        count+=1
        print("Guess Count:",count)
        break
```

```
Enter the number:67
Guess Smaller
Enter the number:50
Guess Greater
Enter the number:57
Guess Greater
Enter the number:59
Guess Greater
Enter the number:61
Guess Greater
Enter the number:63
Guess Greater
Enter the number:65
You have Gussed the Correct Number: 65
Guess Count: 7
```

Day 5: Introduction to Data Science

Day 6: Project

Outcome of the Training:

Students are able to

1. Understand the Proficiency in Python programming language, including syntax, data structures, and libraries.
2. To manipulate and analyse data using Python libraries like NumPy and Pandas.
3. Hands-on experience through real-world projects, enhancing problem-solving skills.

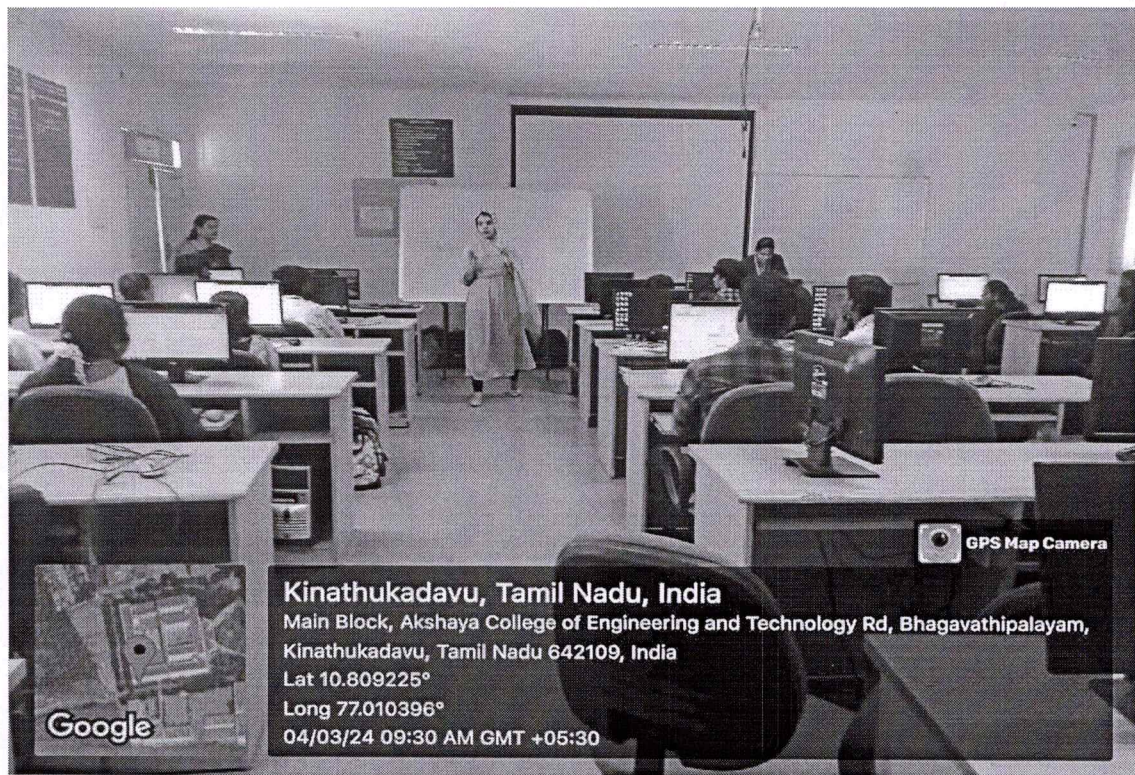
Participants Details:

Total no. of Student participation:25

Total no. of Staff participation:2

SN O	Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO1 2	PS O1	PS O2
CO 1	Understand the Proficiency in Python programming language, including syntax, data structures, and libraries.	-	-	3	-	3	-	-	-	-	-	-	3	3	3
CO 2	To manipulate and analyze data using Python libraries like NumPy and Pandas.	-	-	3	-	3	-	-	-	-	-	-	3	3	3
CO 3	Hands-on experience through real-world projects, enhancing problem-solving skills.	-	-	3	-	3	-	-	-	-	-	-	3	3	3
Av g		-	-	3	-	3	-	-	-	-	-	-	3	3	3

Photographs:



Google

Kinathukadavu, Tamil Nadu, India

Main Block, Akshaya College of Engineering and Technology Rd, Bhagavathipalayam,
Kinathukadavu, Tamil Nadu 642109, India

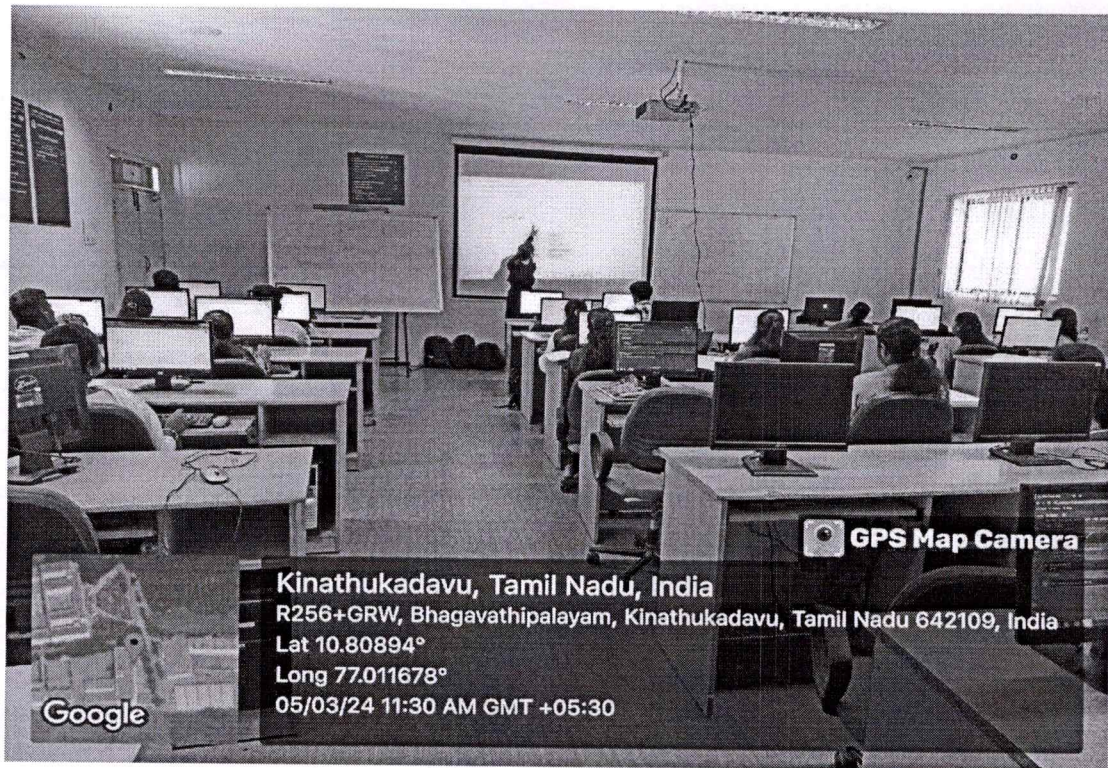
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Long 77.010396°

04/03/24 09:30 AM GMT +05:30

GPS Map Camera

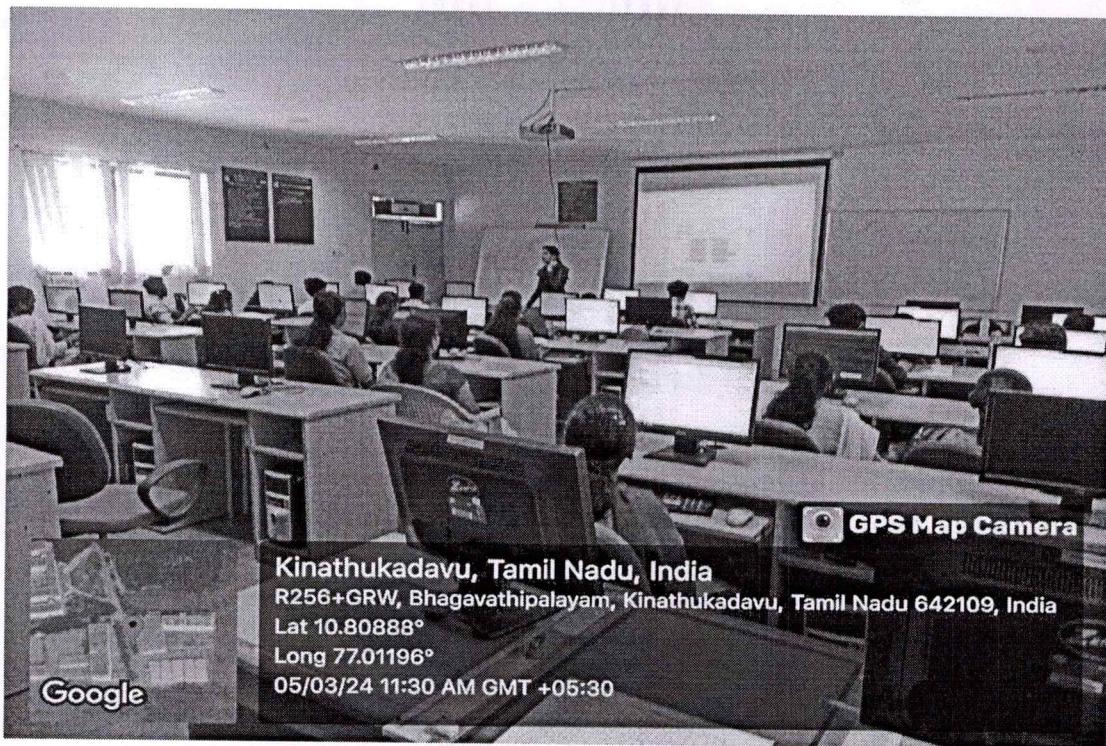
Handwritten signature and date:
S. S. Srinivasan
24/03/24



GPS Map Camera

Kinathukadavu, Tamil Nadu, India
 R256+GRW, Bhagavathipalayam, Kinathukadavu, Tamil Nadu 642109, India
 Lat 10.80894°
 Long 77.011678°
 05/03/24 11:30 AM GMT +05:30

Google



GPS Map Camera

Kinathukadavu, Tamil Nadu, India
 R256+GRW, Bhagavathipalayam, Kinathukadavu, Tamil Nadu 642109, India
 Lat 10.80888°
 Long 77.01196°
 05/03/24 11:30 AM GMT +05:30

Google

S. G. S. S. S.
 16/03/24
 Prepared By,

S. VISHNUSHREE,
 AP / ECE

P. Jayadharini V
 16/3/24
 Verified By,

P. Jayadharini V
 AP / AI & DS

K. Sivasankari

Approved By,
 Dr K Sivasankari

(Signature)

		4.3.24	5.3.24	6.3.24	7.3.24	8.3.24	9.3.24
11.	VimalAnand R	R. Anand	R. Anand	R. Anand	R. Anand	R. Anand	R. Anand
12.	Kaalivaratharaj R	R. Kaalivaratharaj	R. Kaalivaratharaj	R. Kaalivaratharaj	R. Kaalivaratharaj	R. Kaalivaratharaj	R. Kaalivaratharaj
13.	Sridhar S	S. Sridhar	S. Sridhar	S. Sridhar	S. Sridhar	S. Sridhar	S. Sridhar
14.	Aswini S	S. Aswini	S. Aswini	S. Aswini	S. Aswini	S. Aswini	S. Aswini
15.	Manju J	J. Manju	J. Manju	J. Manju	J. Manju	J. Manju	J. Manju
16.	Afsal TA	T. Afsal	T. Afsal	T. Afsal	T. Afsal	T. Afsal	T. Afsal
17.	Karthigapriya	P. Karthigapriya	P. Karthigapriya	P. Karthigapriya	P. Karthigapriya	P. Karthigapriya	P. Karthigapriya
18.	Mouni Shree H	H. Mouni Shree	H. Mouni Shree	H. Mouni Shree	H. Mouni Shree	H. Mouni Shree	OD.
19.	Srikrishnan P	P. Srikrishnan	P. Srikrishnan	P. Srikrishnan	P. Srikrishnan	P. Srikrishnan	P. Srikrishnan
20.	Yogaraj	J. Yogaraj	J. Yogaraj	J. Yogaraj	J. Yogaraj	J. Yogaraj	J. Yogaraj
21.	DevireddyHarshavardhan	D. Harshavardhan	D. Harshavardhan	D. Harshavardhan	D. Harshavardhan	D. Harshavardhan	D. Harshavardhan
22.	Gowtham A	A. Gowtham	A. Gowtham	A. Gowtham	A. Gowtham	A. Gowtham	A. Gowtham
23.	Harshitha S	S. Harshitha	S. Harshitha	S. Harshitha	S. Harshitha	OD	harshitha.
24.	Madhumithra	M. Madhumithra	M. Madhumithra	M. Madhumithra	M. Madhumithra	M. Madhumithra	M. Madhumithra
25.	DeepanSathya	S. Deepan	S. Deepan	S. Deepan	S. Deepan	S. Deepan	S. Deepan

KSR

GWYI FEEDBACK

Name of the student:	Dept	Is the content of the training organized and easy to follow?	Will this training enable you to write Python programs?	Did you succeed in finishing the data science project that the trainer had instructed you?	Did you have an earlier knowledge in python and data science?	Will you be able to develop the programs when participating in a company placement after completing this training?	Please provide an overall feedback of the training
Pradhakshana	CSE	Yes	Yes	Yes	Yes	Yes	Very good teaching
Vasumathi S	CSE	Yes	Yes	Yes	Average	Yes	Good
Deepika A	CSE	Yes	Yes	Not yet	Yes	Yes	The training was amazing
Yogaraj M	ECE	Yes	Yes	No	Yes I know python but not data science	Yes	Good
PRAVEENA E	CSE	Yes	Yes	Yes	Had knowledge in python but not in data science.	Yes	The training is very informative and useful. Overall, the training was highly beneficial and informative.
Sridhar S	Mecht	Yes	Yes	Yes	No	Yes	The one week training is help me lot to understanding the program and they proved python is easy to understandable.thanks for conducting this training Very nice class.. Very informative and taken by a well structured way
Vimalanand R	CSE	Yes	Yes	Doned	Yes	Yes	Good
T A AFSAL	ECE	Yes	Yes	No	No	Yes	
Manju J	ECE	Yes	Yes	No	Yes in Python only	Yes	

Dheepan Sathy	ECE	Yes	yes now I wrote py codes myself	yes, almost we done 20% of work is remaining soon we will done that too	I have an idea about python but not clever in data science.mrs shadiya explain that topic.now I have an idea about what is data science and their roles and responsibilities	definitely
A.Gowtham	ECE	Yes	Yes	50 % complete	Yes. Little bit knowledge for python	Yes
Mouni Shree	HECE	Yes	Yes	Yes	Little	Yes
V Ganesh	CSE	Yes	Yes	At the final stage	No I have earlier knowledge in python not in data science	Yes
Madhumithra	ECE	Yes	Yes	Yes		Yes
Sushmadevi R	CSE	Yes	Yes	Yes	Yes	Yes
Pranesh	CSE	Yes	Yes	Yes	Medium	Yes
Aswini S	Mecht	Yes	Yes	Yes	Yes	Yes

it was an good traning session with GUVI and Shadiya mam was very talk active person and helps me to develop an codes.if I got an error she will teach me how to handle with error and how to find those error. Shadiya mam boost up myself to curious about coding. overall it's an very important session in my life

understanding. Every code line are explained. Guidance is good. Thanks for Guvi and ACET The training session was good and easy to understand
it's very usefull for our career and we learned many things from the trainee thanks for organising this program and thanks for guvi and also thanks for shadiya

Training is very useful and improve my skills

It's very useful training in my programming skill. Good and gained knowledge
Excellent

Nivetha S	CSE	Yes	Yes	Yes	No	Yes
HARSHITHA S	ECE	Yes	moderate	80% completed	Yes	Yes
Srikrishnan P	ECE	Yes	Yes	80%	Yes	Yes
Karthikapriya	ECE	Yes	Yes	Project is not fully finished	Phthon konwing little but data science is new one	Yes
Harsha Vardha	ECE	Yes	Yes	Not fully, Our tutors told that she will finish it by taking online sessions for us to complete the project. That's so appreciating about our tutor SHADIYA.	A little bit	Yeah
Thavituraja G	CSE	Yes	Yes	Yes	Yes	Yes
Athithya P	CSE	Yes	Yes I am able to write python programs	No , will be completed by 2 days	Yes.	Yes

Very nice easy to understand and easy to learn it is very useful for me
 This training session is useful for career development
 I learn new things about python
 This training is more useful but the training days is short duration

This training is very much useful for the people who have no knowledge about python and data science and as well as for the people who are interested in that field.

It's very useful training. I have learned about python functions and methods. I also learned Data scrapping using python using streamlit and mysql from web apps was done during this training period

KSM