

DEPARTMENT OF PETROLEUM ENGINEERING VALUE ADDED COURSE DETAIL

ACADEMIC YEAR 2018 - 19

1	Course Name	Data Analytics using Python
2	Course offered by	CDAC
3	Co-ordinator	Mr. Ilavalagan
4	Instructor	Mr. K. Vijayakumar
5	Course	B.E
6	Class	III and IV Year
7	Number of Students per batch	15
8	Duration	7 Days
9	No. of Hrs/Week	8
10	Perquisite	Petroleum Engineering
11	About the course	Learning Python Object oriented language
12	Course Objective	Master the fundamentals of writing Python scripts
		Managing work with sequence data
13	Course Outcome	Use if-else statements and switch - case statements to
		write programs in Python
14	Topic covered	Python Environment
		Working with files
		Functions
		Sorting
		Modules and packages
15	Learning References	www.accelebrate.com/training/python
16	Assessment Method	Online assessment
17	Attendance Sheet	Enclosed
18	Photograph	Enclosed
19	Certificate copies	Enclosed
20	Feedback About the Course	Enclosed
21	Action Taken Report	Python based project were allotted for students





DEPARTMENT OF PETROLEUM ENGINEERING ACADEMIC YEAR -2018-19 VALUE ADDED COURSE

DATA ANALYTICS WITH PYTHON

Python is a general-purpose object-oriented with high-level programming capabilities. It has become famous its apparent and easily understandable syntax, portability and easy to learn. Python is a programming language that includes features of C and Java. It provides the style of writing an elegant code like C, and for object-oriented programming, it offers classes language and objects like Java. because of programming

Course Offered by: CDAC

Course Co-coordinator:

Mr. Ilavalagan Instructor:

Mr. K.Vijayakumar

ELIGIBILITY:

Graduate in any discipline

Class: B.E (Petroleum)

No. of students attended: 15

COURSE DURATION:

Course Approved by: C-DAC

No. of hours /week: 8hrs/day

COURSE CONTENT

- An Overview of Python
- The Python Environment
- Getting Started
 - Flow Control
 - Array Types
- Dictionaries and Sets Working with Files
 - Functions
 - - Sorting
- Errors and Exception Handling
 - Modules and Packages
 - Regular Expressions
- Highlights of the Standard Library
 - An Introduction to Python Classes
 - Conclusion

Course Objective:

- Master the fundamentals of writing Python scripts
- Learn core Python scripting elements such as variables and flow control structures
- Discover how to work with lists and sequence data
- Write Python functions to facilitate code
 - Use Python to read and write files
- Make their code robust by handling errors and exceptions properly
- Work with the Python standard library

- Explore Python's object-oriented features
- Search text using regular expressions

Course Outcome:

- Use if-else statements and switch-case statements to write programs in Python to tackle any decision-making scenario
 - Master Object-oriented programming to create an entire Python project using objects and classes
 - Store and retrieve information using variables
- applications using the latest Python cost-effective trends and technologies Develop
- Proficient in Debugging and Version Control
 - Build systems entire web development process using various tools
- Create and use APIs to write back-end

LEARNING REFERENCES:

https://www.accelebrate.com/training/py



Value Added Course : Data Analytics with Python Industry Partner : C-DAC, Chennai

Venue: CDAC,Chennai

Duration: 45 Hours from 04/02/19 to 11/02/19

S.No	Roll	Student Name	Programme	Year	Group	Phone No			Atter	ndance	5	
	Number		i i	real		1 Holle No	4/2/19	5/2/19	6/2/19	7/2/19	8/2/19	11/2/19
1	NA967	ANUGRAH RAJ	BE(NAOE)	3	1	9487785560	DoA	fh/I	1124	M.	AA	1
2	NA964	AMAN SINGH BISHT	BE(NAOE)	3	1	8126476961	1 res	Ima.	Trug	Thus	A see	10
3	NA974	PUTHA BHAVYA NATHA REDDY	BE(NAOE)	3	1	9848176266	Pisho	P21	Polo	Pollo	PE	trua
4	NA976	DHANWIN.V	BE(NAOE)	3	_ 1	9944049414	AB	v Dha	1/17/1	VIDIA	211	1.50
5	NA978	DIPANJAN NATH	BE(NAOE)	3	1	9402342413	NE	T. Nath	9.116		D.N.C	1
6	NA980	GLEN FERNANDES &	BE(NAOE)	3	1	8939438893	Tues	RION	سررون	100	11.7/10	Car-
7	NA982	GOWRISANKAR. P	BE(NAOE)	3	1	8508274331	DILL	ply	lus	dia 1	o lil	GIA.
8	NA983	HARSHIL FERNANDIZ	BE(NAOE)	3	1	7742499891	The state of the s	Reformed	المصاوات	Jan-1	(1) mady	Married
9	NA1021	AKHIL SHRIKANT THIK	BE(NAOE)	3	2	9167073701	The same	-37kg	210	20/14	TIM	201
10	NA1022	VARUN WAJJALA	BE(NAOE)	3	2	8984310437	Wind	2	100	137		134
11	NA1030	VINEETH.B	BE(NAOE)	3	- 2	9008975699	19	No.	Port ?	116	100	The state of the s
12	NA1034	VYSHAKH.S	BE(NAOE)	3	2	7639540507	1	1	1.4	Ne	12	11-
13	NA1122L	RAM KRISHNA RAJU D	BE(NAOE)	3	2	9693121555	Dilla	DRIA.	coul.	anula	ON I	W 3/1
14	NA1047L	GOGUL SATHYAN	BE(NAOE)	3	2	7012225827	age	3 1	20- Wille	great s	your	Of Illians
15	PE621	PASCOAL MARCIO ANDERSON	BE(PE)	4	2	7358334617	-	Vysik 1	المصلة	Min 1	4	1
16	PE605	TONIE ROSARIO.T	BE(PE)	4	2	9940727664	(Cent)	TB.	1000	tru.	10	TO TO
17	PE614	VIVEKANANDAN. D.	BE(PE)	4	2	9566059621	0	Reni O	2 Deler 1	10101	6 1	1000
18	PE539	LAWRANCE KALVIN J	BE(PE)	4	2	9445235251	TI V		11 0	Alis .	- File	1
19	PE549	MOHAMED REEHAN F	BE(PE)	4	2	991164749	(el		1	O.L	Dans	01-
20	PE561	MOHINTHAN P.	BE(PE)	4	2	9003108865	4	-	0	PARI	12mm	P.M.
21	PE576	PRITHVI N	BE(PE)	4	-		With 1	Fry.	N. 94	NEW	Nai	156.5
22	PE626	SHRUTHI C	BE(PE)	3	2	9566060850	flui	em.	Xi	0. 200	1	The state of the s
23	PE629	AKASH.J	BE(PE)	3			W.	Nab 1			Wus	Mul
24	PE642	GUBERAN R	BE(PE)	3		9659570789	2	b	mub.	wh	duil	1.0
25	PE644	HARISH.S	BE(PE)	3		9176222888	4	and and				A
26	PE649	JITHIN RONALD	BE(PE)	3	1 18		AGO.	Jan C	W.		11/2	THE
27	PE657	MRITUNJAY RAWAT	BE(PE)	3		13	Manor	-	Trail.	O'LLO	trust	
28	PE659	NARENDIRAN.R	BE(PE)	3		8012719125	الملا	P			lan 2	
29	PE661	NIRMAL RAJ.P	BE(PE)	3		8531834899 A	C.	July Die	000	C Kest	1 h	Bullon
30	MN001	BHARATH KUMAR.S	BE(Mining)	3	-	7397163215	100	1 22 3	22	EARN &	STA !	DO
31	MN062	KISHWAR RAHMAN M	BE(Mining)	3	_	9944422579	100	1.1.1	TEL IN	The state of the	Med 2	1.16
32	MN003	PARTHEEBAN, R	BE(Mining)	3	55 7	9489669422	- 6	OON.	90.0	(Per	Wash.	va -
33	MN007	SOURAV SRISVASTAVA	BE(Mining)	3			Sm 8	1	8 3	10	Con	22
34	MN009	VENKATARAMANAN C	BE(Mining)	3		9524327093	16 MB	Elda	Why y	relation	CLYA	West Od)
35	-MARDG8t 4	RAGIUL. R	BE(Mining)	3	2 0	1324321093	201	201	~ \r	1	N.	The state of the s

36	MN006	SANJAI R.	BE(Mining)	3	2	9597191181 2 Day & Day 2 Day 2 Day 8	Jank -
37	MN011	JOE THOMAS EDWIN	BE(Mining)	3	2	7598892984 Patrick Police - Floor College Street	the con-
38	MN008	SURIYA R.	BE(Mining)	3	2	7397092696 PAJSPAA PAB PWG OUD	1/1/4
39	MN010	VIMAL M.	BE(Mining)	3	2	9345026439 M. W. M. W. M. W.	1.11
40	MN005	RAJAGURU M.	BE(Mining)	3	2	8098769311 ALLA TO PHY M PAY MAPAN MANER	247
gn of	the Facult	ty In charge				of the design of a gold	7

Mr Ilava agan, AP/PE Mr Vinod Vincent AP/NA

प्रगत संगणन विकास केंद्र CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

इलेक्ट्रेनिकी और सूचना प्रौद्योगिकी मंत्रात्त्य को वैज्ञानिक संस्था, भारत सरकार A Scientific Society of Ministry of Electronics and Information Technology, Government of India



"टाइडल पार्क", आंठवी मंजिल 'डी' ब्लांक, (उत्तर और दक्षिण) नः 4 राजीव गांधी मार्ग , तरमणि, चेन्नई - 600 113.भारत. फोन /Tel: 91-44-2254226/27.
फैक्स / Fax: 91-44-22542294.
"TIDEL Park", 8th Floor, "D" Block, (North & South), No.4, Rajiv Gandhi Salai, Taramani, Chennai - 600 113. India. www.cdac.ip

C-DAC/BIGDATA/01/2019

The Vice Chancellor
Academy of Maritime Education and Training (AMET)
Deemed to be University
135, East Coast Road, Kanathur
Chennai -603 112

Proposal for Data Analytics Workshop

- 1. Centre for Development of Advanced Computing (C-DAC) is a premier research establishment under Ministry of Communication and Information Technology, Government of India, dedicated to advanced research and deployment of solutions for the betterment of society.
- 2. C-DAC, Chennai being the National Resource Centre for Free and Open Source Software have vast experience in developing and deploying varied Technical Solutions to the Government Departments all over India. C-DAC has proven track record of creating skilled manpower in the country by providing quality training programmes in the field of electronics and ICT.
- 3. We will be glad to partner with AMET in molding and training individuals on applying Open Source Tools and Techniques. With domain expertise and analytics environment provided by AMET, C-DAC can be the brain behind the conduction of certification programs on Data Analytics on real-world use cases.
- 4. The training cost for 45 hours scoping the students of AMET on "Data Analytics with Python" will be ₹ 200,000/- plus GST applicable. The training cost applies to induction of maximum number of 40 participants.

(K Vijay Kumar)
Principal Engineer

Principal Engine

Encl:- Agenda for the workshop



AGENDA Data Analytics with Python

SI.No.	Topic	Time (in hours)
	Basics	
1	 Introduction to Data Science 	3
	Importance of Python	3
	Datatypes • Lists	
2		_
	Array Data Frame	3
	Control flow & Inbuilt function	
	Condition	
_	• Loops	
3	Arithmetic	3
	• Logic	3
	String	
	Modular Programming	
4	• Functions	3
	Packages	5
5	Imperative Library for statistics	
	Numpy	3
6	Imperative Library for text	
	• Pandas	3
7	Imperative Library for visualization	
	• Matplotlib	3
8 .	Capstone project	3
-	Brainstorming with teams Introduction to Machine Learning	3
- 1	MI Applications on interest	
9	ML Applications - an introspection Supervised vs Upsupprvised Lagrania	3
	- For vised vs Orisupervised Learning	3
	Imperative libraries for Machine Learning	



AGENDA Data Analytics with Python

SI.No.	Торіс	Time (in hours)
10	Predictive analysis Linear Regression Non-linear Regression Model evaluation methods	3
11	Classification -I K-Nearest Neighbor Decision Trees	3
12	Classification -II Logistic Regression Support Vector Machines Model Evaluation	3
13	Unsupervised Learning • K-Means Clustering • Hierarchical Clustering • Density-Based Clustering	3
14	Recommender Systems Market basket analysis Content-based recommender systems Collaborative Filtering	3
15	Real world use-cases Domain data may be discussed	. 3

Hardware Infrastructure will be taken care by AMET.

Open Source Software required for training will be provided by C-DAC.

Certificates shall be printed by AMET with C-DAC logos. Softcopy of Certificate for printing will be provided by C-DAC.

CENTER FOR ICT ENABLED EDUCATION

Date: 17.9.18

Submitted to Registrar for approval:

Sub: Proposing a Value Addition Course on Python Programming for Core Students- regd

I am happy to inform you that Petroleum and Mining HODs have given their consent to start Python programming as value addition to 3rd year and final year students of these two disciplines to make them employable in core sector.

Details of the Proposal are as follows:

A. Programme: Value addition on IT subject for Core Discipline Students

Structure of Delivery in two phases :

- Phase I: Fundamentals of Python programming during this semester
- Phase II: Developing Projects using Python Programming in Core domain during the Start of the
- (i) PHASE I is planned during this current semester with:
 - Max Batch Size: 30
 - Duration: 4 week's time for 24 Hours
 - Delivery time: Saturdays or Two hours after class hours for 3 days in a week (6 Hours per week)
 - Coordinator & Course Instructors: Faculty from Dept of IT
 - Book / Manuscript Preparation : Course Instructors
 - Course fee: NIL
- (ii) PHASE II: It is an advanced Level of programming for 36 Hours. It is planned during the start of even semester of 2018-19 inviting IT industry Experts(Resource Persons) to train them to do Core-Domain Projects during the final semester
- B. Total Duration of the Value Added Course : 60 Hours
- C. Course Completion Certificate: Successful candidates after a Final Exam online
- D. Budget:
 - a. Certificate Printing

: Rs 1,000

- b. Resource Persons (2 Nos): Rs 10,000 Total Budget: Rs 11,000 only.
- E. Amenities Required: (i) Transport after Hours: To support the Non-DG students to attend the Classes after hours, Transport facility must be extended to faculty and Students. (ii) Lunch and Coffee/Snacks for the faculty who handle classes on Saturdays need to be provided.
- F. No of Saturdays available for the current Semester: 29.9.18, 6.10.18, 20.10.18,3.11.18

Approval may be given to start the course from 29.9.18 onward.

Thanking your

Sincerely,

Dr Komathy K Director-ICT

Department Of Information Technology

Date: 6.12.18

Submitted to Hon. Vice Chancellor for approval:

Sub: Value added course "Data Analytics with Python" in collaboration with CDAC, Ministry of Electronics and Information Technology (MeitY), India – regd.

Centre for Development of Advanced Computing (C-DAC) is the premier R&D organization of the Ministry of Electronics and Information Technology (MeitY) for carrying out R&D in IT, Electronics and associated areas. C-DAC has been at the forefront of the Information Technology (IT) revolution, constantly building capacities in emerging/enabling technologies and innovating and leveraging its expertise, caliber, skill sets to develop and deploy IT products and solutions for different sectors of the economy, as per the mandate of the Ministry of Electronics and Information Technology.

Department of Information Technology is happy to submit the proposal of value addition to our AMET (Non-DG students) in collaboration with C-DAC, Chennai.

Details are:

Course Name : Value Addition on "DATA ANALYTICS WITH PYTHON"

Duration : 45 hours for a period of 15 weeks starting from Jan2019

(3 Hours per week if allocated in the Academic Timetable)

Beneficiaries : UG Students of Non-DG

Strength of the Batch: 40 maximum

Course Fee to C-DAC: Rs 2,00,000 +GST (Individual student fee: Rs 6000 for a batch of 40

Students)

Venue : Computer Laboratory, Dept of IT, AMET

Other amenities to be provided: Computer Lab, Certificate printing and Coffee with snacks for the Resource person(s) from C-DAC, Chennai

Certificates will bear the C-DAC Emblem along with AMET

Please find the proposal from C-DAC with the scheme of lesson plan.

Kindly permission may be granted to proceed with circulating to students

Sincerely,

Dr K.Komathy

HOD/IT

Data Analytics with Python

C-DAC as a premier R&D organization in IT&E (Information Technologies and Electronics) in the country, works towards strengthening national technological capabilities in the context of global developments in the field and responding to change in the market need in selected foundation areas.

C-DAC. Chennai being the National Resource Centre for Free and Open Source Software have vast experience in developing and deploying varied Technical Solutions to the Government Departments all over India. C-DAC has proven track record of creating skilled manpower in the country by providing quality training programmes in the field of electronics and ICT. We will be glad to partner with AMET in and analytics environment provided by AMET, C-DAC can be the brain behind the conduction of certification programs on Data Analytics on real-world use cases.

Please find the agenda, for 45 hours training scoping the students of AMET to scale up their domain expertise in building insights from the digital data in the real world around.

Hardware Infrastructure will be taken care by AMET.

Open Source Software required for training will be provided by C-DAC.

Certificates shall be printed by AMET with C-DAC logos. Softcopy of Certificate for printing will be provided by C-DAC.

Total cost as Fees for conducting Training "Data Analytics with Python" will be ₹ 200,000 - plus GST applicable. The training cost applies to induction of maximum number of 40 participants.

	Basics Topic	Time (in hours)
1	 Introduction to Data Science 	
	Importance of Python	3
1	Datatypes	- k
2	Lists	
- 1	Array	3
	Data Frame	,
1	Control flow & Inbuilt function	
1	 Condition 	
į	 Loops 	
3	 Arithmetic 	
	 Logic 	3
i	 String 	1
	- I make the second to be	
1	the second secon	
1		

SI.No.	Topic	ave.
	Modular Programming	Time (ia hours)
4	• Functions	
	Packages	.3
	Imperative Library for statistics	
5	• Numpy	3
	Imperative Library for text	3
6	• Pandas	3
7	Imperative Library for visualization	-1
	Matplotlib	3
8	Capstone project	*
	Brainstorming with teams	3
	Introduction to Machine Learning	
9	ML Applications – an introspection	
9	Supervised vs Unsupervised Learning	3
	• Imperative libraries for Machine Learning	3.70
	Predictive analysis	
10	Linear Regression	
10	 Non-linear Regression 	3
	Model evaluation methods	
	Classification -I	He are supplied to the second second second second
11	 K-Nearest Neighbour 	3
	Decision Trees	3,
	Classification -II	
	 Logistic Regression 	
13	 Support Vector Machines 	3
1	 Model Evaluation 	a
	Unsupervised Learning	** (8)
1	K-Means Clustering	
13	Hierarchical Clustering	
	Density-Based Clustering	3
	Recommender Systems	
14	 Market basket analysis 	
1	 Content-based recommender systems 	3
	Collaborative Filtering	
5	Capstone project	
2	Real world use-cases	3
	Domain data may be discussed	

Value Added Course: Data Analytics with Python

Industry Partner: C-DAC, Chennai

Venue: CDAC, Chennai

Duration: 45 Hours

COURSE CONTENTS

SI No.	Topic	Time
1	Basics	(in hours)
	Introduction to Data Science	3
	Importance of Python	
2	Datatypes Datatypes	
	• Lists	3
	• Array	
	Data Frame	
3	Control flow & T. 1. 11	
1	Control flow & Inbuilt function Condition	3
- 1	• Loops	
1.		
1.	Arithmetic	
	Logic	
N	String	-
15	Modular Programming	1 2
	Functions	3
Ter	Packages	
111	nperative Library for statistics	-
	Numpy	3
In	perative Library for text	
	Pandas	3
Im	perative Library for visualization	
	triatpiotiib	3
Ca	pstone project	
•	Brainstorming with teams	3
TITI	oduction to Machine Loaming	
1	Applications – an introces	3
~	apervised vs Unsupervised t	
	appliative infrariag to 11	
		-
• L	inear Regression	3
• N	on-linear Regression	1
• IVI	odel evaluation methods	
Class	sification -I	
	-	3

12	K-Nearest NeighbourDecision TreesClassification –II	
	Logistic Regression	3
10	 Support Vector Machines Model Evaluation 	
13	Unsupervised Learning	
	K-Means Clustering Hierarchical Clustering	3
1.1	Density-Based Chartening	
14	recommender Systems	
	Market basket analysis	3
	Content-based recommend	
5	Capstone project	
	• Real world use-cases	3
	Domain data may be discussed	





Value Added Course: Data Analytics with Python Industry Partner: C-DAC, Chennai

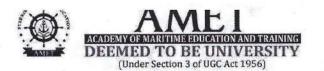
Venue: CDAC, Chennai

Duration: 45 Hours from 04/02/19 to 11/02/19

S.No	Roll Number	Student Name	Discipline	Year	Group	Phone No
1	PE621	PASCOAL MARCIO ANDERSON	BE(PE)	4	2	7358334617
2	PE605	TONIE ROSARIO.T	BE(PE)	4	2 .	9940727664
3	PE614	VIVEKANANDAN. D.	BE(PE)	4	2	9566059621
4	PE539	LAWRANCE KALVIN J	BE(PE)	4	2	9445235251
5	PE549	MOHAMED REEHAN F	BE(PE)	4	2	991164749
6	PE561	MOHINTHAN P.	BE(PE)	4	2	9003108865
7	PE576	PRITHVI N	BE(PE)	4	2	9487432541
8	PE626	SHRUTHI C	BE(PE)	3	1	9566060850
9	PE629	AKASH.J	BE(PE)	3	1	7708699237
10	PE642	GUBERAN R	BE(PE)	3	1	9659570789
11	PE644	HARISH.S	BE(PE)	3	1	9176222888
12	PE649	JITHIN RONALD	BE(PE)	3	1	
13	PE657	MRITUNJAY RAWAT	BE(PE)	3	1	9411383837
14	PE659	NARENDIRAN.R	BE(PE)	3	1	8012719125
15	PE661	NIRMAL RAJ.P	BE(PE)	3	1	8531834899

Dr Komathy K

Director - Centre For ICT Enabled Education



STUDENT FEEDBACK ON COURSE

Roll No:

Name of the Student: Akach.J

Course: PYTHON

Name of the Instructor: VIJAY

If you attended the guest lecture we would like to make sure that the sessions were relevant and useful. Give your appropriate feedback to make the future lectures more beneficial foryou.

Please 'V' the option you find most suitable.

S.No	Particular	Extremely Good	Good	Quite Good	Poor
1.	How was the overall organization of the lecture?		~		
2.	How relevant was the content discussed by the Instructor?		V		
3.	Are you satisfied with the time and venue?	~			
4.	How much interesting this session was for you?		~		in the second
5.	How was your preparation about the topic before the lecture?		~		
6.	Did the lecture cover what you were expecting?	~			
7	What is your opinion about an instructor?		~	·	
8	How much this session was useful from the knowledge and information point of view		1	1000	e heterik
9	Overall effectiveness of the lecture				1

Date:

Signature of the student

STUDENT'S FEEDBACK ON AMET

(To be filled up by the students at the end of the course)

COURSE: B.E- Petroleum Engineering

START DATE:

END DATE:

Please give your opinion on facilities provided at AMET and tell us how we measure up to your expectations.

Please give your ratings between 1(lowest) and 5 (highest)

(5- Very Good; 4- Good; 3- Satisfactory: 2- Needs Changes; 1- Below Satisfaction)

	Attributes	Rating
Assessment of Learning	Environment	
	Standard of class room facilities	2
	Lighting and Ventilation of Classrooms.	4
Learning Environment	Quality of teaching aids	4
	Toilet Facilities	4
	Availability of drinking water	4
Assessment of Infrastru	cture Facilities	10.00
	Adequacy of books	3_
Library	Library arrangements (Reading room facilities, adequacy of journals, books stacking & identification)	4
	Adequacy	4
Recreational	Encouragement for sports	2
Facilities	Facilities for Extra-Curricular Activities.	3
*	Cleanliness	4
Swimming pool	Arrangements (Availability of adequate life jackets, etc.,)	14
Medical Facilities	Regular hours	4
Medical Facilities	After hours	4
	Quality of food/ Quality of drinking water	14
	Adhering to Menu/ Adhering to scheduled time	4
Canteen	Ventilation/Dining Seat arrangements	4
	Hygiene/ Cleanliness of staff	4
	Wash area	4
	Quality of cabins	4
	Cabin ventilation	4
92	Toilet/ Bathroom/ Wash basins - Cleanliness	4
Hostel Facilities	Availability of water	4
	Availability of drinking water	4
	Availability & Internet facilities	4
	Facilities for Sports & Entertainments at Hostel	4
	Timeliness	4
Transport Facilities	Safety	4
and the second section of the second	Condition of the Vehicles	4

Date: 26 11 18

Student Name (optional) Student Signature (optional)



STUDENT FEEDBACK ON COURSE

Roll No:	20
	D. H
~	14.4

Name of the Student:

Course: Ht thoh

Name of the Instructor: Vijow

If you attended the guest-lecture we would like to make sure that the sessions were relevant and useful. Give your appropriate feedback to make the future lectures more beneficial for you.

Please 'V' the option you find most suitable.

S.No	Particular	Extremely Good	Good	Quite Good	Poor
1.	How was the overall organization of the lecture?	1 66			
2.	How relevant was the content discussed by the Instructor?		~		
3.	Are you satisfied with the time and venue?	~			
4.	How much interesting this session was for you?		~	100	
5.	How was your preparation about the topic before the lecture?		~		
6.	Did the lecture cover what you were expecting?				
7	What is your opinion about an instructor?		~		
8	How much this session was useful from the knowledge and information point of view		~		
9	Overall effectiveness of the lecture				

Date:

Signature of the student

STUDENT'S FEEDBACK ON AMET

(To be filled up by the students at the end of the course)

COURSE: B.E- Petroleum Engineering

START DATE:

Attributes

END DATE:

Rating

Please give your opinion on facilities provided at AMET and tell us how we measure up to your expectations.

Please give your ratings between 1(lowest) and 5 (highest)
[5-Very Good; 4-Good; 3-Satisfactory: 2-Needs Changes; 1-Below Satisfaction)

Availability of water

Timeliness Safety

Availability of drinking water

Condition of the Vehicles

Availability & Internet facilities

Facilities for Sports & Entertainments at Hostel

Assessment of Learning Environment Standard of class room facilities Lighting and Ventilation of Classrooms. Quality of teaching aids Learning Environment 3 Toilet Facilities 4 Availability of drinking water Assessment of Infrastructure Facilities Adequacy of books Library arrangements (Reading room facilities, adequacy of journals, books stacking Library 5 & identification) 4 Adequacy Recreational 3 Encouragement for sports Facilities Facilities for Extra-Curricular Activities. Cleanliness Swimming pool Arrangements (Availability of adequate life jackets, etc.,) Regular hours Medical Facilities 4 After hours 5 Quality of food/ Quality of drinking water 5 Adhering to Menu/ Adhering to scheduled time Ventilation/Dining Seat arrangements 5 Canteen 5 Hygiene/ Cleanliness of staff Wash area 2 Quality of cabins 2 Cabin ventilation 2 Toilet/ Bathroom/ Wash basins - Cleanliness

Date:

Hostel Facilities

Transport Facilities

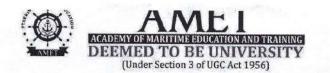
Student Name (optional) Student Signature (optional)

2

2

2

2



STUDENT FEEDBACK ON COURSE

Roll No:	_
Course:	Lython

Name of the Student: Tiltin Rorald

Name of the Instructor: Very

If you attended the guest lecture we would like to make sure that the sessions were relevant and useful. Give your appropriate feedback to make the future lectures more beneficial foryou.

Please 'V' the option you find most suitable.

S.No	Particular	Extremely Good	Good	Quite Good	Poor	
1.	How was the overall organization of the lecture?				l page	
2.	How relevant was the content discussed by the Instructor?					
3.	Are you satisfied with the time and venue?		/		Paties	
4.	How much interesting this session was for you?					
5.	How was your preparation about the topic before the lecture?		~			
6.	Did the lecture cover what you were expecting?	_				
7	What is your opinion about an instructor?		1			
8	How much this session was useful from the knowledge and information point of view		V			
9	Overall effectiveness of the lecture		/			

Date:

Signature of the student

STUDENT'S FEEDBACK ON AMET (To be filled up by the students at the end of the course)

COURSE: B.E- Petroleum Engineering

START DATE:

END DATE:

Please give your opinion on facilities provided at AMET and tell us how we measure up to your expectations.

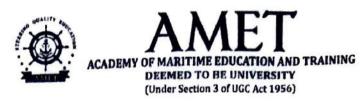
Please give your ratings between 1(lowest) and 5 (highest)
[5-Very Good: 4-Good: 3-Satisfactory: 2-Needs Changes; 1-Below Satisfaction)

, very dead ,	Satisfactory: 2- Needs Changes; 1- Below Satisfaction) Attributes	Rating
Assessment of Learning	Environment	3
133C3Sincint of Learning	Standard of class room facilities	3
	Lighting and Ventilation of Classrooms.	2
Learning Environment	Quality of teaching aids	33
	Toilet Facilities	3
	Availability of drinking water	2
Assessment of Infrastru		3
155e55ment of finitusti u	Adequacy of books	3
Library	Library arrangements (Reading room facilities, adequacy of journals, books stacking & identification)	4
	Adequacy	3
Recreational	Encouragement for sports	3
Facilities	Facilities for Extra-Curricular Activities.	3
	Cleanliness	3
Swimming pool	Arrangements (Availability of adequate life jackets, etc.,)	4
	Regular hours	13
Medical Facilities	After hours	3
	Quality of food/ Quality of drinking water	
	Adhering to Mcnu/ Adhering to scheduled time	3
Canteen	Ventilation/Dining Seat arrangements	3
	Hygiene/ Cleanliness of staff	3
	Wash area	3
	Quality of cabins	3
	Cabin ventilation	3
	Toilet/ Bathroom/ Wash basins - Cleanliness	
Hostel Facilities	Availability of water	3
	Availability of drinking water	3
	Availability & Internet facilities	3
	Facilities for Sports & Entertainments at Hostel	
	Timeliness	
Transport Facilities	Safety	
	Condition of the Vehicles	4

Date:

Student Name (optional) Student Signature (optional)





DEPARTMENT OF NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING

VALUE ADDED COURSE DETAIL

ACADEMIC YEAR-2018-19

1	Course Name	Data Analytics with Python
2	Course offered by	CDAC
3	Co-Ordinator	Mr Himanshu Uppal
4	Instructor	Mr K Vijay Kumar
5	Course	Copies Attached
6	Class	BE (NA&OE)
7	Number of Students per batch	14
8	Duration	6 Days
9	No. of Hrs /Week	9 Hrs /Day
10	Prerequisite	Basics of Programming
11	About the Course	Data Analytics deal with both domain and technology to derive inferences from the data and performing predictive analysis. This course is designed to cover main areas of it.
12	Course Objective	Understand the concept of Python for Data Science, Data Cleansing, Data Visualization and mode building.
13	Course Outcome	Students will be able to derive intelligence from the supported data by performing EDA and later predictions done through model developed.
14	Topics Covered	Syllabus Attached
15	Learning References	NA
16	Assessment Method	Hands-on Training
17	Attendance Sheet	Copies Attached
18	Photograph	NA
19	Certificate Copies	Copies Attached
20	Feedback About The Course	Copies Attached
21	Action Taken Report	Attached herewith

प्रगत संगणन विकास केंद्र CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

इलेक्ट्रोनिकी और सूचना प्रौद्यांगको संत्रालय को वैज्ञानिक संस्था, भारत सरकार A Scientific Society of Ministry of Electronics and Information Technology, Government of India



"टाइडल पार्क", आंउबी मंत्रिल 'डी' ब्लांक, (उत्तर और टक्किण) न: 4 राजीव गांधी मार्ग , तरमणि, चेन्नई - 600 113 पारत. फोन /Tel: 91-44-22542226/27 फ़ैक्स / Fax: 91-44-22542294 "TIDEL Park", 8th Floor, "D" Block, (North & South), No.4, Rajiv Gandhi Salai, Taramani, Chennai - 600 113 India. www.cdac.in 02-Jan-2019

C-DAC/BIGDATA/01/2019

The Vice Chancellor
Academy of Maritime Education and Training (AMET)
Deemed to be University
35, East Coast Road, Kanathur
Chennai -603 112

Proposal for Data Analytics Workshop

- 1. Centre for Development of Advanced Computing (C-DAC) is a premier research establishment under Ministry of Communication and Information Technology, Government of India, dedicated to advanced research and deployment of solutions for the betterment of society.
- 2. C-DAC, Chennai being the National Resource Centre for Free and Open Source Software have vast experience in developing and deploying varied Technical Solutions to the Government Departments all over India. C-DAC has proven track record of creating skilled manpower in the country by providing quality training programmes in the field of electronics and ICT.
- 3. We will be glad to partner with AMET in molding and training individuals on applying Open Source Tools and Techniques. With domain expertise and analytics environment provided by AMET, C-DAC can be the brain behind the conduction of certification programs on Data Analytics on real-world use cases.
- 4. The training cost for 45 hours scoping the students of AMET on "Data Analytics with Python" will be ₹ 200,000/- plus GST applicable. The training cost applies to induction of maximum number of 40 participants.

Why What (K Vijay Kumar) Principal Engineer

Encl :- Agenda for the workshop

● बेगलुर (नालेज पार्क)/ Bangalore (Knowledge Park) +91-80-2524 4059/6823/6826 ● बेगलुर (इलेक्ट्रोनिक्स सिटि)/ Bangalore (Eletronics City) +91-80-2852 3300 ● नई दिल्ली / New Delhi +91-11-2651 0221, 2651 0212 ● तैटराबाट / Hyderabad +91-40-2373 7124/25 ● मुंबई / Mumbai: 91+22-2620 1606 /1574



AGENDA Data Analytics with Python

SI.No.	TOPIC	Time (in hours)
62	Basics	
1	 Introduction to Data Science 	1995
	Importance of Python	3
	Datatypes	
2	Lists	
-	Array	3
	Data Frame	3723
	Control flow & Inbuilt function	
	Condition	
3	• Loops	
	Arithmetic	3
	• Logic	
	String	
	Modular Programming	
4	 Functions 	3
	 Packages 	3
5	Imperative Library for statistics	
	Numpy	3
6	Imperative Library for text	
	Pandas	3
7	Imperative Library for visualization	
	Matplotlib	3
8	Capstone project	
	 Brainstorming with teams 	3
	Introduction to Machine Learning	
9	 ML Applications - an introspection 	
	 Supervised vs Unsupervised Learning 	3
	 Imperative libraries for Machine Learning 	



AGENDA Data Analytics with Python

SI.No.	Topic	Time (in hours)
	Predictive analysis	
10	 Linear Regression Non-linear Regression Model evaluation methods 	3 .
11	Classification -I K-Nearest Neighbor Decision Trees	3
12	Classification -II Logistic Regression Support Vector Machines Model Evaluation	3
13	K-Means Clustering Hierarchical Clustering Density-Based Clustering	3
14	Recommender Systems	3
15	Capstone project Real world use-cases Domain data may be discussed	3

- Hardware Infrastructure will be taken care by AMET.
- Open Source Software required for training will be provided by C-DAC.
- Certificates shall be printed by AMET with C-DAC logos. Softcopy of Certificate for printing will be provided by C-DAC.

DATA FIRM

Center for ICT Enabled Education

02.02.19

Submitted to the Registrar :

Sub: OD permission to students attending value added course at C-DAC, Chennai –regd

OD is requested for 6 days from 04/02/19 to 11/02/19 excluding Saturday and Sunday for 40 students from Naval Arch, Petroleum and Mining departments attending CDAC course on those days.

The list is enclosed and your approval is requested.

Thanking you,

Sincerely,

Dr Komathy K - 2/2/19

Director-ICT

Jon Hed.



Value Added Course : Data Analytics with Python Industry Partner : C-DAC, Chennal

Venue: CDAC,Chennal

Duration : 45 Hours from 04/02/19 to 11/02/19

5.No	Roll	Student Name	Programme	Year	Group	Phone No	Attendance
	Number				Стопр	Phone No	4/2/19 5/2/19 6/2/19 7/2/19 8/2/19 11/2/1
1	NA967	ANUGRAH RAJ	BE(NAOE)	3	1	9487785560	A A A A A A A A A A A A A A A A A A A
2	NA964	AMAN SINGH BISHT	BE(NADE)	3	1		100 100 100
3	NA974	PUTHA BHAVYA NATHA REDDY	BE(NAOE)	3	1	8126476961	
4	NA976	DHANWIN.V	BE(NAOE)	3	1	9848176266 9944049414	AB V. DAV. DAV. DAV. DAV. DAV.
5	NA978	DIPANJAN NATH	BE(NAOE)	3	1	9402342413	N P DUN DAN DAN DAN DE
6	NA980	GLEN FERNANDES #	BE(NADE)	3	1	8939438893	
7	NA982	GOWRISANKAR P	BE(NAOE)	3	1	8508274331	
8	NA983	HARSHIL FERNANDIZ	BE(NAOE)	3	1	7742499891	de la
9	NA1021	AKHIL SHRIKANT THIK	BE(NAOE)	3	2	9167073701	THE THE THE TOTAL STATE OF THE
10	NA1022	VARUN WAJJALA	BE(NAOE)	3	2	8984310437	NEW TOWN THE REAL PROPERTY.
11	NA1030	VINEETH.B	BE(NAOE)	3	2	9008975699	19 min
12	NA1034	VYSHAKH.S	BE(NAOE)	3	2	7639540507	
13	NA1122L	RAM KRISHNA RAJU D	BE(NAOE)	3	2	9693121555	a Day of the party of the said
14	NA1047L	GOGUL SATHYAN	BE(NAOE)	3	2	7012225827	
15	PE621	PASCOAL MARCIO ANDERSON	BE(PE)	4	2	7358334617	
16	PE605	TONIE ROSARIO.T	BE(PE)	4	2	9940727664	Van la California
17	PE614	VIVEKANANDAN. D.	BE(PE)	4	2	9566059621	0 100 mo. m. 14 1100
18	PE539	LAWRANCE KALVIN J	BE(PE)	4	2	9445235251	I was a so to the first the
19	PE549	MOHAMED REEHAN F	BE(PE)	4	2	991164749	Q1 Q Q1 Q1 Q1
20	PE561	MOHINTHAN P.	BE(PE)	4	2		The state of the s
21	PE576	PRITHVI	BE(PE)	4	2		With With Will NEW DIES
22	PE626	SHRUTHIC	BE(PE)	3		9566060850	
23	PE629	AKASHJ	BE(PE)	3		7708699237	M. nob
24	PE642	GUBERAN R	SE(PE)	3		9659570789	n/ . Jub Bruk List was 1. h
25	PE644	HARISH.S	BE(PE)	3		9176222888	
26	PE649	JITHIN RONALD	BE(PE)	3			VA. C. WILLIAM STATE OF THE STA
27	PE657	MRITUNJAY RAWAT	BE(PE)	3			Manal March March March
28	PE659	NARENDIRAN.R	BE(PE)	3		8012719125	
29	PE661	NIRMAL RAJ.P	BE(PE)	3		-	West Mile the Aller Man
30	MN001	BHARATH KUMAR.S	BE(Mining)	3	-	7397163215	The state of the s
31	MN0G2	KISHWAR RAHMAN M	BE(Mining)	3	_	9944422579	TOTAL PROPERTY OF THE PARTY OF
32	MN003	PARTHEEBAN. R	BE(Mining)	3		9489669422	
33	MN007	SOURAV SRISVASTAVA	BE(Mining)	3	_		8- 4.8 92 SC RAN SA
34	MN009	VENKATARAMANAN C	BE(Mining)	3	-	9524327093	Le My John Very Jekon Liter III
35	HARROSEL	RAGIUL. R	BE(Mining)	3		629602679	00100

gn of	the Facul	ty In charge				67 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1
40	MN005	RAJAGURU M.	BE(Mining)	3	2	8098769311 M. Que Tradity M.	91
39	MN010	VIMAL M.	BE(Mining)	3	2	9345026439 M.V. M. W. M. W. M. M. W. M. W. M. W. M. W.	n,w
38	MN008	SURIYA R.	BE(Mining)	3	2	7397092696 P. 18Pm 2.M. 2.M.	1/4
17	MN011	JOE THOMAS EDWIN	BE(Mining)	3	2	7598892984 Aturn File Richard	He
16	MN006	SANJAI R.	BE(Mining)	3	2	9597191181 P 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	NOW Y

Mr Ilava agan, AP/PE
Mr Vinod Vincent AP/NA





Value Added Course : Data Analytics with Python Industry Partner : C-DAC, Chennai

Venue: CDAC,Chennai

Duration: 45 Hours from 04/02/19 to 11/02/19

S.No	Roll Number	Student Name	Discipline	Year	Group	Phone No
1	NA967	ANUGRAH RAJ	BE(NAOE)	3	1	.9487785560
2	NA964	AMAN SINGH BISHT	BE(NAOE)	3	1	8126476961
3	NA974	PUTHA BHAVYA NATHA REDDY	BE(NAOE)	3	1	9848176266
4	NA976	DHANWIN.V	BE(NAOE)	3	1	9944049414
5	NA978	DIPANJAN NATH	BE(NAOE)	3	1	9402342413
6	NA980	GLEN FERNANDES S	BE(NAOE)	3	1	8939438893
7	NA982	GOWRISANKAR. P	BE(NAOE)	3	1	8508274331
8	NA983	HARSHIL FERNANDIZ	BE(NAOE)	3	1	7742499891
9	NA1021	AKHIL SHRIKANT THIK	BE(NAOE)	3	2	9167073701
10	NA1022	VARUN WAJJALA	BE(NAOE)	3	2	8984310437
11	NA1030	VINEETH.B	BE(NAOE)	3	2	9008975699
12	NA1034	VYSHAKH.S	BE(NAOE)	3	2	7639540507
13	NA1122L	RAM KRISHNA RAJU D	BE(NAOE)	3	2	9693121555
14	NA1047L	GOGUL SATHYAN	BE(NAOE)	3	2	7012225827
15	PE621	PASCOAL MARCIO ANDERSON	BE(PE)	4	2	7358334617
16	PE605	TONIE ROSARIO.T	BE(PE)	4	2	9940727664
17	PE614	VIVEKANANDAN. D.	BE(PE)	4	2	9566059621
18	PE539	LAWRANCE KALVIN J	BE(PE)	4	2	9445235251
19	PE549	MOHAMED REEHAN F	BE(PE)	4	2	991164749
20	PE561	MOHINTHAN P.	BE(PE)	4	2	9003108865

21	PE576	PRITHVI N	BE(PE)	4	2	9487432541
22	PE626	SHRUTHI C	BE(PE)	3	1	9566060850
23	PE629	AKASH.J	BE(PE)	3	1	7708699237
24	PE642	GUBERAN R	BE(PE)	3	1	9659570789
25	PE644	HARISH.S	BE(PE)	3	1	9176222888
26	PE649	JITHIN RONALD	BE(PE)	3	1	
27	PE657	MRITUNJAY RAWAT	BE(PE)	3	1	9411383837
28	PE659	NARENDIRAN.R	BE(PE)	3	1	8012719125
29	PE661	NIRMAL RAJ.P	BE(PE)	3	1	8531834899
30	MN001	BHARATH KUMAR.S	BE(Mining)	3	2	7397163215
31	MN002	KISHWAR RAHMAN M	BE(Mining)	3	2	9944422579
32	MN003	PARTHEEBAN. R	BE(Mining)	3	2	9489669422
33	MN007	SOURAV SRISVASTAVA	BE(Mining)	3	2	7998122113
34	MN009	VENKATARAMANAN C	BE(Mining)	3	2	9524327093
35	MN068L	RAGHUL R	BE(Mining)	3	2	9629602679
36	MN006	SANJAI R.	BE(Mining)	3	2	9597191181
37	MN011	JOE THOMAS EDWIN	BE(Mining)	3	2	7598892984
38	MN008	SURIYA R.	BE(Mining)	3	2	7397092696
39	MN010	VIMAL M.	BE(Mining)	3	2	9345026439
40	MN005	RAJAGURU M.	BE(Mining)	3	2	8098769311

Dr Komathy K
Director - Centre For ICT Enabled Education





Participant Name: Dipanjan Nath

Duration

: Feb 4th to Feb 11th , 2019

Title

: Data Analytics using Python

Instructions

: Please indicate your level of agreement with the statement

listed below. Put tick mark to the appropriate level

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
The content was organized and easy to follow		Ø		. 🗆	
2. Participation and interaction were encouraged	Ø				
3. The case studies discussed were very helpful		Ø			
4. The topics covered were relevant to project work and employability	. 🗆		Ø		
5. The materials distributed were helpful		ď			
6. The hands-on exercises supported the lecture and discussion	Q'				
7. The trainer was knowledgeable about the training topics					
8. The Lab facilities Provided at CDAC were comfortable and appropriate		Ø			
9. The training objectives were met	2				
10. The time allotted for the training was sufficient	Ø				
Any other comments		•			





Participant Name: Harshil Fernandiz Duration: Feb 4th to Feb 11th, 2019

Title

: Data Analytics using Python

Instructions

: Please indicate your level of agreement with the statement

listed below. Put tick mark to the appropriate level

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1. The content was organized and easy to follow		Ø			
2. Participation and interaction were encouraged	Ø				
3. The case studies discussed were very helpful		Ø			
4. The topics covered were relevant to project work and employability		፟			
5. The materials distributed were helpful	Ø				
6. The hands-on exercises supported the lecture and discussion		Ø			
7. The trainer was knowledgeable about the training topics		Ø			- 🗆
8. The Lab facilities Provided at CDAC were comfortable and appropriate	Ø				
9. The training objectives were met		Ø			
10. The time allotted for the training was sufficient					
Any other comments We would of opportunity at advar	be horced la	appy if evel to	we coi	ald get	more ur job.





Participant Name: VySHAKH.5

Duration

: Feb 4th to Feb 11th , 2019

Title

: Data Analytics using Python

Instructions

: Please indicate your level of agreement with the statement

listed below. Put tick mark to the appropriate level

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1. The content was organized and easy to follow					
2. Participation and interaction were encouraged		e'			
3. The case studies discussed were very helpful	Ø				
4. The topics covered were relevant to project work and employability					
5. The materials distributed were helpful		e e			
6. The hands-on exercises supported the lecture and discussion		3			
7. The trainer was knowledgeable about the training topics			9		
8. The Lab facilities Provided at CDAC were comfortable and appropriate	2				
9. The training objectives were met					
10. The time allotted for the training was sufficient			2		
Any other comments					





Participant Name : ƊHANWIN .✓

Duration

: Feb 4th to Feb 11th , 2019

Title

: Data Analytics using Python

Instructions

: Please indicate your level of agreement with the statement

listed below. Put tick mark to the appropriate level

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1. The content was organized and easy to follow	Ø				
2. Participation and interaction were encouraged		Ø			
3. The case studies discussed were very helpful	\(\overline{\pi}\)				
4. The topics covered were relevant to project work and employability	Ø				
5. The materials distributed were helpful					
6. The hands-on exercises supported the lecture and discussion					П
7. The trainer was knowledgeable about the training topics					
8. The Lab facilities, Provided at CDAC were comfortable and appropriate					
9. The training objectives were met	Ø				
10. The time allotted for the training was sufficient			Ø		
Any other comments Should have given more	number	70	ays.		





Participant Name : Anugrah

Duration

: Feb 4th to Feb 11th , 2019

Title

: Data Analytics using Python

Instructions

: Please indicate your level of agreement with the statement

listed below. Put tick mark to the appropriate level

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
The content was organized and easy to follow	Ø				
2. Participation and interaction were encouraged		Ø			
3. The case studies discussed were very helpful		Ø			
4. The topics covered were relevant to project work and employability	. 🗆			. 🗆	
5. The materials distributed were helpful		2			
6. The hands-on exercises supported the lecture and discussion					
7. The trainer was knowledgeable about the training topics					
8. The Lab facilities Provided at CDAC were comfortable and appropriate					
9. The training objectives were met		Ø			
10. The time allotted for the training was sufficient	Д	Q			
Any other comments					
			1	Λ	





Participant Name : GLEN A. FERNANDES

Duration

: Feb 4^{th} to Feb 11^{th} , 2019

Title

: Data Analytics using Python

Instructions

: Please indicate your level of agreement with the statement

listed below. Put tick mark to the appropriate level

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
The content was organized and easy to follow	UZ/				
Participation and interaction were encouraged	0	. 🗆		. 0	
The case studies discussed were very helpful	0				
The topics covered were relevant to project work and employability	D/				
5. The materials distributed were helpful	D/				
6. The hands-on exercises supported the lecture and discussion		W			
7. The trainer was knowledgeable about the training topics		6			
8. The Lab facilities Provided at CDAC were comfortable and appropriate		D/			
9. The training objectives were met	₽/				
10. The time allotted for the training was sufficient	0				
Any other comments	I .			Ae	seles.





Participant Name : Vinceth. B

Duration

: Feb 4^{th} to Feb 11^{th} , 2019

Title

: Data Analytics using Python

Instructions

: Please indicate your level of agreement with the statement

listed below. Put tick mark to the appropriate level

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
The content was organized and easy to follow				. 🗆	
Participation and interaction were encouraged		Þ			
3. The case studies discussed were very helpful					
4. The topics covered were relevant to project work and employability					
5. The materials distributed were helpful	J				
6. The hands-on exercises supported the lecture and discussion					
7. The trainer was knowledgeable about the training topics	X				
8. The Lab facilities Provided at CDAC were comfortable and appropriate				. 🗆	
9. The training objectives were met					
10. The time allotted for the training was sufficient				7	
Any other comments : Chould have	9: vin ~	non nun	uper of o	logs for	hoining



Any other comments

Feedback form



Participant Name: GOGUL SAFRYAN (1114 NA 40E : Feb 4th to Feb 11th , 2019 Duration : Data Analytics using Python Title : Please indicate your level of agreement with the statement Instructions listed below. Put tick mark to the appropriate level Strongly Strongly Disagree Disagree Neutral Agree Agree 1. The content was organized and easy to V follow 2. Participation and interaction were encouraged 3. The case studies discussed were V very helpful 4. The topics covered were relevant P to project work and employability 5. The materials distributed were helpful 6. The hands-on exercises supported W the lecture and discussion 7. The trainer was knowledgeable W about the training topics 8. The Lab facilities Provided at CDAC were comfortable and appropriate 9. The training objectives were met 10. The time allotted for the training was sufficient Require more training and days to learn duper.





Participant Name: Aman Singh Bisht

Duration: Feb 4th to Feb 11th, 2019

Title

: Data Analytics using Python

Instructions

: Please indicate your level of agreement with the statement

listed below. Put tick mark to the appropriate level

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
The content was organized and easy to follow		Ð			
2. Participation and interaction were encouraged	₽/				
3. The case studies discussed were very helpful		₽/			
4. The topics covered were relevant to project work and employability	4				
5. The materials distributed were helpful		W			
6. The hands-on exercises supported the lecture and discussion	U				
7. The trainer was knowledgeable about the training topics	J				
8. The Lab facilities Provided at CDAC were comfortable and appropriate		- 🕠			
9. The training objectives were met	J				
10. The time allotted for the training was sufficient			9		
Any other comments If would course which can possi	be h	en de	if you	teach of	a show





Participant Name : GOWRISHNEAR.P

Duration

: Feb 4^{th} to Feb 11^{th} , 2019

Title

: Data Analytics using Python

Instructions

: Please indicate your level of agreement with the statement

listed below. Put tick mark to the appropriate level

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
The content was organized and easy to follow	₽′			. 🗆	
2. Participation and interaction were encouraged					
3. The case studies discussed were very helpful	Ø				
4. The topics covered were relevant to project work and employability	d				
5. The materials distributed were helpful	8				
6. The hands-on exercises supported the lecture and discussion	Ø				
7. The trainer was knowledgeable about the training topics					
8. The Lab facilities Provided at CDAC were comfortable and appropriate					
9. The training objectives were met	0/				
10. The time allotted for the training was sufficient		IB			
Any other comments			•	10	





Participant Name:

Duration

: D· Rom Kilshna lafy : Feb 4th to Feb 11th, 2019

Title

: Data Analytics using Python

Instructions

: Please indicate your level of agreement with the statement

listed below. Put tick mark to the appropriate level

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
The content was organized and easy to follow	.[]				
2. Participation and interaction were encouraged		Ø			
3. The case studies discussed were very helpful	Ø				
4. The topics covered were relevant to project work and employability		0			
5. The materials distributed were helpful	Ø				
6. The hands-on exercises supported the lecture and discussion		Ø			
7. The trainer was knowledgeable about the training topics	Ø				
8. The Lab facilities Provided at CDAC were comfortable and appropriate		Ø			
9. The training objectives were met					
10. The time allotted for the training was sufficient					
Any other comments	•				





nstructions : Please indicate yo listed below. Put	ur level of tick mark t	agreeme o the app	nt with th propriate I	e stateme evel	nt
	Strongly Agree	Agree	Neutral	Disagree	Strongly
1. The content was organized and easy to follow					
2. Participation and interaction were encouraged					
The case studies discussed were very helpful					
4. The topics covered were relevant to project work and employability					
5. The materials distributed were helpful					
6. The hands-on exercises supported the lecture and discussion					
7. The trainer was knowledgeable about the training topics					
8. The Lab facilities Provided at CDAC were comfortable and appropriate					
9. The training objectives were met					
10. The time allotted for the training was sufficient					





Participant Name : VARVN WASSALA

Duration

: Feb 4^{th} to Feb 11^{th} , 2019

Title

: Data Analytics using Python

Instructions

: Please indicate your level of agreement with the statement

listed below. Put tick mark to the appropriate level

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1. The content was organized and easy to follow		Ą			
2. Participation and interaction were encouraged		Ø			
The case studies discussed were very helpful			A		
4. The topics covered were relevant to project work and employability			Ø		
5. The materials distributed were helpful		Ø			
6. The hands-on exercises supported the lecture and discussion		K			
7. The trainer was knowledgeable about the training topics		Á			
8. The Lab facilities Provided at CDAC were comfortable and appropriate		Ø			
9. The training objectives were met		A			
10. The time allotted for the training was sufficient		Ø			
Any other comments				146.0	





Akhil. S. Thik

Participant Name : Akhir Thik

Duration

: Feb 4^{th} to Feb 11^{th} , 2019

Title

: Data Analytics using Python

Instructions

: Please indicate your level of agreement with the statement

listed below. Put tick mark to the appropriate level

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
The content was organized and easy to ollow		2			
2. Participation and interaction were encouraged		ď			
3. The case studies discussed were very helpful				. 🗆	
4. The topics covered were relevant to project work and employability		Ø			
5. The materials distributed were helpful		Ø			
6. The hands-on exercises supported the lecture and discussion		8			
7. The trainer was knowledgeable about the training topics					
8. The Lab facilities Provided at CDAC were comfortable and appropriate		Ø			
9. The training objectives were met		A			
10. The time allotted for the training was sufficient			8		
Any other comments					
				501	his

ORACLE WORKFORCE
DEVELOPMENT PROGRAM

ORACLE UNIVERSITY

AWARD OF COMPLETION

VYSHAKH S

HAS SUCCESSFULLY COMPLETED

Primavera P6 Professional Fundamentals Rel 16 Ed 1

AS PART OF ORACLE'S WORKFORCE DEVELOPMENT PROGRAM

Infinitypmc Private Limited

AUTHORIZED ORACLE WORKFORCE DEVELOPMENT PARTNER

ENROLLMENT ID 50450855

2018-03-10

DATE

Nagaraj Ohruva

INSTRUCTOR NAME

DAMIEN CAREY SENIOR VICE PRESIDENT AND GENERAL MANAGER, ORACLE UNIVERSITY





CERTIFICATE

AKHIL SHRIKANT THIK

from AMET has participated in the Value Added Program on "Data Analytics using Python"
with Outstanding / Emellent / Above Average performance organized by C-DAC (A Scientific Society of the
Ministry of Communications & Information Technology, Govt. of India)

· during February 4th — 11th 2019 at C-DAC, Chennai.

light kund

K VIJAY KUMAR
Training Co-Ordinator, C-DAC, Chennai

Dr. P. SARAVANAN Registrar, AMET





ACADEMY OF MARITIME EDUCATION AND TRAINING DEEMED TO BE UNIVERSITY (Under Section 3 of UCC Act 1956)

CERTIFICATE

S. GLEN FERNANDES

with Outstanding / Excellent / Above Average performance organized by C-DAC (A Scientific Society of the from AMET has participated in the Value Added Program on "Data Analytics using Python" Ministry of Communications & Information Technology, Govt. of India) during February 4" – 11" 2019 at C-DAC, Chennai.

Bigny Kumah

K VIJAY KUMAR

Training Co-Ordinator, C-DAC, Chennai

Dr. P. SARAVANAN

Registrar, AMET





ACADEMY OF MARITIME EDUCATION AND TRAINING DEEMED TO BE UNIVERSITY (Under Sertion 3 of UCC Act 1956)

CERTIFICATE

VARUN WATTALA

with Outstanding / Encellent / Above Aucrage performance organized by C-DAC (A Scientific Society of the from AMET has participated in the Value Added Program on "Data Analytics using Python" Ministry of Communications & Information Technology, Govt. of India) during February 4" – 11" 2019 at C-DAC, Chennai.

Winy Kundh

K VIJAY KUMAR

Training Co-Ordinator, C-DAC, Chennal

Dr. P. SARAVANAN Registrar, AMET





CERTIFICATE

S. Vy & HAKH

performance organized by C-DAC (A Scientific Society of the from AMET has participated in the Value Added Program on "Data Analytics using Python" Ministry of Communications & Information Technology, Govt. of India) during February 4th - 11th 2019 at C-DAC, Chennai. " / Excellent /

Wigney Knowsh

K VIJAY KUMAR
Training Co-Ordinator, C-DAC, Chennal

Scanned with CamScanner



Dr. P. SARAVANAN

Registrar, AMET

ORACLE

AWARD OF COMPLETION

ORACLE WORKFORGE DEVELOPMENT PROGRAM

R VIVEKANANTH

ANS SUCCESSFULLY COURLETED

Primavera P6 Professional Fundamentals Rel 16 Ed 1

AS HAND OF DRACLE'S MORKFORCE DEVELOPMENT PROGRAM

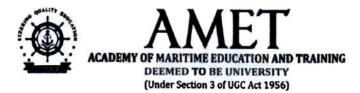
Infinitypmc Private Limited

50451990

AUTHORIZED DRACLE WORKFORCE DEVELOPMENT PARTNER

Nagaraj Dhruva

INSTRUCTOR NAME



Value-Added Training Feedback Report

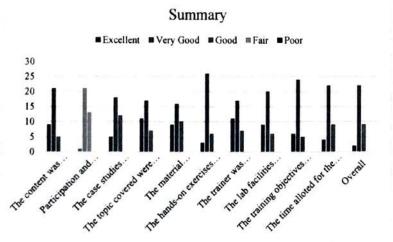


Figure 1: Summary on various categories of feedback

Overall Satisfaction

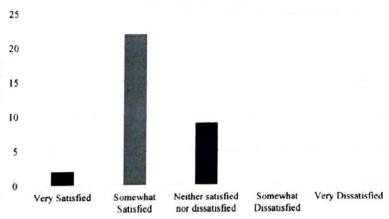


Figure 2: Overall response of the students.

Summary:

As per the feedback given by the students, the hands-on exercises supported the lecture and discussion, the time allotted for the training was sufficient found encouraging response from stakeholders. Also, content and interaction with participants were effective as shown in Figure 1 and Figure 2.

Findings:

Followings were the observed from the feedback report:

- Students requested for extended learning through advanced topics to help them get more job opportunity.
- Students insisted that such training programme could be effectively delivered provided it is spanned over another week.
- Overall performance of the students were satisfactory, they were satisfied with the course delivery and content.