



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



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



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

DATA ANALYTICS WITH PYTHON

Python is a general-purpose object-oriented programming language with high-level programming capabilities. It has become famous because of 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 and objects like Java.

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:

7 days

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
- Working with Files
- Dictionaries and Sets
- 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 reuse
- 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
- Develop cost-effective robust applications using the latest Python trends and technologies
- Proficient in Debugging and Version Control
- Build systems entire web development process using various tools
- Create and use APIs to write back-end code

LEARNING REFERENCES:

- <https://www.accelebrate.com/training/python>



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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	Programme	Year	Group	Phone No	Attendance					
							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	AB	AB	AB	AB	AB	AB
2	NA964	AMAN SINGH BISHT	BE(NAOE)	3	1	8126476961	AB	AB	AB	AB	AB	AB
3	NA974	PUTHA BHAVYA NATHA REDDY	BE(NAOE)	3	1	9848176266	AB	AB	AB	AB	AB	AB
4	NA976	DHANWIN.V	BE(NAOE)	3	1	9944049414	AB	AB	AB	AB	AB	AB
5	NA978	DIPANJAN NATH	BE(NAOE)	3	1	9402342413	AB	AB	AB	AB	AB	AB
6	NA980	GLEN FERNANDES	BE(NAOE)	3	1	8939438893	AB	AB	AB	AB	AB	AB
7	NA982	GOWRISANKAR. P	BE(NAOE)	3	1	8508274331	AB	AB	AB	AB	AB	AB
8	NA983	HARSHIL FERNANDIZ	BE(NAOE)	3	1	7742499891	AB	AB	AB	AB	AB	AB
9	NA1021	AKHIL SHRIKANT THIK	BE(NAOE)	3	2	9167073701	AB	AB	AB	AB	AB	AB
10	NA1022	VARUN WAJALA	BE(NAOE)	3	2	8984310437	AB	AB	AB	AB	AB	AB
11	NA1030	VINEETH.B	BE(NAOE)	3	2	9008975699	AB	AB	AB	AB	AB	AB
12	NA1034	VYSHAKH.S	BE(NAOE)	3	2	7639540507	AB	AB	AB	AB	AB	AB
13	NA1122L	RAM KRISHNA RAJU D	BE(NAOE)	3	2	9693121555	AB	AB	AB	AB	AB	AB
14	NA1047L	GOGUL SATHYAN	BE(NAOE)	3	2	7012225827	AB	AB	AB	AB	AB	AB
15	PE621	PASCOAL MARCIO ANDERSON	BE(PE)	4	2	7358334617	AB	AB	AB	AB	AB	AB
16	PE605	TONIE ROSARIO.T	BE(PE)	4	2	9940727664	AB	AB	AB	AB	AB	AB
17	PE614	VIVEKANANDAN. D.	BE(PE)	4	2	9566059621	AB	AB	AB	AB	AB	AB
18	PE539	LAWRANCE KALVIN J	BE(PE)	4	2	9445235251	AB	AB	AB	AB	AB	AB
19	PE549	MOHAMED REEHAN F	BE(PE)	4	2	991164749	AB	AB	AB	AB	AB	AB
20	PE561	MOHINTHAN P.	BE(PE)	4	2	9003108865	AB	AB	AB	AB	AB	AB
21	PE576	PRITHVI N	BE(PE)	4	2	9487432541	AB	AB	AB	AB	AB	AB
22	PE626	SHRUTHI C	BE(PE)	3	1	9566060850	AB	AB	AB	AB	AB	AB
23	PE629	AKASH.J	BE(PE)	3	1	7708699237	AB	AB	AB	AB	AB	AB
24	PE642	GUBERAN R	BE(PE)	3	1	9659570789	AB	AB	AB	AB	AB	AB
25	PE644	HARISH.S	BE(PE)	3	1	9176222888	AB	AB	AB	AB	AB	AB
26	PE649	JITHIN RONALD	BE(PE)	3	1	9174033600	AB	AB	AB	AB	AB	AB
27	PE657	MRITUNJAY RAWAT	BE(PE)	3	1	9411383837	AB	AB	AB	AB	AB	AB
28	PE659	NARENDIRAN.R	BE(PE)	3	1	8012719125	AB	AB	AB	AB	AB	AB
29	PE661	NIRMAL RAJ.P	BE(PE)	3	1	8531834899	AB	AB	AB	AB	AB	AB
30	MN001	BHARATH KUMAR.S	BE(Mining)	3	2	7397163215	AB	AB	AB	AB	AB	AB
31	MN002	KISHWAR RAHMAN M	BE(Mining)	3	2	9944422579	AB	AB	AB	AB	AB	AB
32	MN003	PARTHEEBAN. R	BE(Mining)	3	2	9489669422	AB	AB	AB	AB	AB	AB
33	MN007	SOURAV SRISVASTAVA	BE(Mining)	3	2	7998122113	AB	AB	AB	AB	AB	AB
34	MN009	VENKATARAMANAN C	BE(Mining)	3	2	9524327093	AB	AB	AB	AB	AB	AB
35	MN0014	RAGUL.R	BE(Mining)	3	2	9629602679	AB	AB	AB	AB	AB	AB

36	MN006	SANJAI R.	BE(Mining)	3	2	9597191181	R. Sanjay	R. Sanjay	R. Sanjay	R. Sanjay	R. Sanjay	R. Sanjay
37	MN011	JOE THOMAS EDWIN	BE(Mining)	3	2	7598892984	R. Sanjay	R. Sanjay	R. Sanjay	R. Sanjay	R. Sanjay	R. Sanjay
38	MN008	SURIYA R.	BE(Mining)	3	2	7397092696	R. Sanjay	R. Sanjay	R. Sanjay	R. Sanjay	R. Sanjay	R. Sanjay
39	MN010	VIMAL M.	BE(Mining)	3	2	9345026439	M. Vimal	M. Vimal	M. Vimal	M. Vimal	M. Vimal	M. Vimal
40	MN005	RAJAGURU M.	BE(Mining)	3	2	8098769311	M. Rajaguru	M. Rajaguru	M. Rajaguru	M. Rajaguru	M. Rajaguru	M. Rajaguru

Sign of the Faculty In charge

Mr Ilavarajagan, AP/PE

Mr Vinod Vincent AP/NA

प्रगत संगणन विकास केंद्र
CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

इलेक्ट्रॉनिक्स और सूचना प्रौद्योगिकी मंत्रालय की वैज्ञानिक संस्था, भारत सरकार
A Scientific Society of Ministry of Electronics and Information Technology, Government of India



"टाइडल पार्क", आठवीं मंजिल 'डी' ब्लॉक,
(उत्तर और दक्षिण) नं: 4 राजीव गांधी मार्ग,
तरमणि, चेन्नई - 600 113, भारत.
फोन / Tel : 91-44-22542226/27.
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.in

02-Jan-2019

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

Encl :- Agenda for the workshop

AGENDA

Data Analytics with Python

Sl.No.	Topic	Time (in hours)
1	Basics <ul style="list-style-type: none"> • Introduction to Data Science • Importance of Python 	3
2	Datatypes <ul style="list-style-type: none"> • Lists • Array • Data Frame 	3
3	Control flow & Inbuilt function <ul style="list-style-type: none"> • Condition • Loops • Arithmetic • Logic • String 	3
4	Modular Programming <ul style="list-style-type: none"> • Functions • Packages 	3
5	Imperative Library for statistics <ul style="list-style-type: none"> • Numpy 	3
6	Imperative Library for text <ul style="list-style-type: none"> • Pandas 	3
7	Imperative Library for visualization <ul style="list-style-type: none"> • Matplotlib 	3
8	Capstone project <ul style="list-style-type: none"> • Brainstorming with teams 	3
9	Introduction to Machine Learning <ul style="list-style-type: none"> • ML Applications - an introspection • Supervised vs Unsupervised Learning • Imperative libraries for Machine Learning 	3

AGENDA

Data Analytics with Python

Sl.No.	Topic	Time (in hours)
10	Predictive analysis <ul style="list-style-type: none"> • Linear Regression • Non-linear Regression • Model evaluation methods 	3
11	Classification -I <ul style="list-style-type: none"> • K-Nearest Neighbor • Decision Trees 	3
12	Classification -II <ul style="list-style-type: none"> • Logistic Regression • Support Vector Machines • Model Evaluation 	3
13	Unsupervised Learning <ul style="list-style-type: none"> • K-Means Clustering • Hierarchical Clustering • Density-Based Clustering 	3
14	Recommender Systems <ul style="list-style-type: none"> • Market basket analysis • Content-based recommender systems • Collaborative Filtering 	3
15	Capstone project <ul style="list-style-type: none"> • 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 next semester

(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 you,

Sincerely,

Dr Komathy K

Director-ICT

Submitted to vice-chancellor

A

spat

A.C. 26/9

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

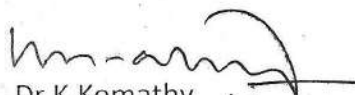
Other amenities to be provided: Computer Lab, Certificate printing and Coffee with snacks for the Resource person(s) from C-DAC, Chennai



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
6/12/18
HOD/IT

 
proceed

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 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.

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.

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Sl.No.	Topic	Time (in hours)
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Value Added Course : Data Analytics with Python

Industry Partner: C-DAC, Chennai

Venue: CDAC, Chennai

Duration: 45 Hours

COURSE CONTENTS

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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: Akash.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 for you.

Please '✓' 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?		✓		
3.	Are you satisfied with the time and venue?	✓			
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?		✓		
8.	How much this session was useful from the knowledge and information point of view		✓		
9.	Overall effectiveness of the lecture		✓		

Date:

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

Date: 26/11/18

Student Name (optional) Student Signature (optional)

Controlled Copy

F214/REV 01/1.10.2012



STUDENT FEEDBACK ON COURSE

Roll No:

Name of the Student:

Course:

Name of the Instructor:

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 '✓' 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?		✓		
3.	Are you satisfied with the time and venue?	✓			
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?		✓		
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



AMET

ACADEMY OF MARITIME EDUCATION AND TRAINING

(Declared as Deemed to be UNIVERSITY u/s 3 of UGC Act 1956)

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

Date:

Student Name (optional) Student Signature (optional)

Controlled Copy

F214/REV 01/1.10.2012



STUDENT FEEDBACK ON COURSE

Roll No:

Name of the Student:

Course:

Name of the Instructor:

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 '✓' 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?		✓		
3.	Are you satisfied with the time and venue?		✓		
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?		✓		
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

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	Facilities for Sports & Entertainments at Hostel	3
Transport Facilities	Timeliness	3
	Safety	3
	Condition of the Vehicles	4

Date:

Student Name (optional) Student Signature (optional)

Controlled Copy

F214/REV 01/1.10.2012





AMET

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

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

इलेक्ट्रॉनिक्स और सूचना प्रौद्योगिकी मंत्रालय की वैज्ञानिक संस्था, भारत सरकार
A Scientific Society of Ministry of Electronics and Information Technology, Government of India



"टाइडल पार्क", आठवीं मंजिल 'डी' ब्लॉक,
(उत्तर और दक्षिण) नं: 4 राजीव गांधी मार्ग,
तरमणि, चेन्नई - 600 113 भारत.
फोन /Tel : 91-44-22542226/27
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.in

02-Jan-2019

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

Encl :- Agenda for the workshop

AGENDA

Data Analytics with Python

Sl.No.	Topic	Time (in hours)
1	Basics <ul style="list-style-type: none"> • Introduction to Data Science • Importance of Python 	3
2	Datatypes <ul style="list-style-type: none"> • Lists • Array • Data Frame 	3
3	Control flow & Inbuilt function <ul style="list-style-type: none"> • Condition • Loops • Arithmetic • Logic • String 	3
4	Modular Programming <ul style="list-style-type: none"> • Functions • Packages 	3
5	Imperative Library for statistics <ul style="list-style-type: none"> • Numpy 	3
6	Imperative Library for text <ul style="list-style-type: none"> • Pandas 	3
7	Imperative Library for visualization <ul style="list-style-type: none"> • Matplotlib 	3
8	Capstone project <ul style="list-style-type: none"> • Brainstorming with teams 	3
9	Introduction to Machine Learning <ul style="list-style-type: none"> • ML Applications - an introspection • Supervised vs Unsupervised Learning • Imperative libraries for Machine Learning 	3

AGENDA

Data Analytics with Python

Sl.No.	Topic	Time (in hours)
10	Predictive analysis <ul style="list-style-type: none"> Linear Regression Non-linear Regression Model evaluation methods 	3
11	Classification -I <ul style="list-style-type: none"> K-Nearest Neighbor Decision Trees 	3
12	Classification -II <ul style="list-style-type: none"> Logistic Regression Support Vector Machines Model Evaluation 	3
13	Unsupervised Learning <ul style="list-style-type: none"> K-Means Clustering Hierarchical Clustering Density-Based Clustering 	3
14	Recommender Systems <ul style="list-style-type: none"> Market basket analysis Content-based recommender systems Collaborative Filtering 	3
15	Capstone project <ul style="list-style-type: none"> 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 ANNEX
IN THE PERMANENT

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

Director-ICT

2/2/19

Permitted,
4/2/19



AMET
ASSOCIATES OF MANAGEMENT EDUCATION AND TECHNOLOGY
DEEMED TO BE UNIVERSITY
(Under Section 3 of UGC Act 1956)

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	Programme	Year	Group	Phone No	Attendance					
							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	AB	AB	AB	AB	AB	AB
2	NA964	AMAN SINGH BISHT	BE(NAOE)	3	1	8126476961	AB	AB	AB	AB	AB	AB
3	NA974	PUTHA BHAVYA NATHA REDDY	BE(NAOE)	3	1	9848176266	AB	AB	AB	AB	AB	AB
4	NA976	DHANWIN.V	BE(NAOE)	3	1	9944049414	AB	AB	AB	AB	AB	AB
5	NA978	DIPANJAN NATH	BE(NAOE)	3	1	9402342413	AB	AB	AB	AB	AB	AB
6	NA980	GLEN FERNANDES	BE(NAOE)	3	1	8939438893	AB	AB	AB	AB	AB	AB
7	NA982	GOWRISANKAR P	BE(NAOE)	3	1	8508274331	AB	AB	AB	AB	AB	AB
8	NA983	HARSHIL FERNANDIZ	BE(NAOE)	3	1	7742499891	AB	AB	AB	AB	AB	AB
9	NA1021	AKHIL SHRIKANT THIK	BE(NAOE)	3	2	9167073701	AB	AB	AB	AB	AB	AB
10	NA1022	VARUN WAJJALA	BE(NAOE)	3	2	8984310437	AB	AB	AB	AB	AB	AB
11	NA1030	VINEETH.B	BE(NAOE)	3	2	9008975699	AB	AB	AB	AB	AB	AB
12	NA1034	VYSHAKH.S	BE(NAOE)	3	2	7639540507	AB	AB	AB	AB	AB	AB
13	NA1122L	RAM KRISHNA RAJU D	BE(NAOE)	3	2	9693121555	AB	AB	AB	AB	AB	AB
14	NA1047L	GOGUL SATHYAN	BE(NAOE)	3	2	7012225827	AB	AB	AB	AB	AB	AB
15	PE621	PASCOAL MARCIO ANDERSON	BE(PE)	4	2	7358334617	AB	AB	AB	AB	AB	AB
16	PE605	TONIE ROSARIO.T	BE(PE)	4	2	9940727664	AB	AB	AB	AB	AB	AB
17	PE614	VIVEKANANDAN. D.	BE(PE)	4	2	9566059621	AB	AB	AB	AB	AB	AB
18	PE539	LAWRANCE KALVIN J	BE(PE)	4	2	9445235251	AB	AB	AB	AB	AB	AB
19	PE549	MOHAMED REEHAN F	BE(PE)	4	2	991164749	AB	AB	AB	AB	AB	AB
20	PE561	MOHINTHAN P.	BE(PE)	4	2	9003108865	AB	AB	AB	AB	AB	AB
21	PE576	PRITHVI N	BE(PE)	4	2	9487432541	AB	AB	AB	AB	AB	AB
22	PE626	SHRUTHI C	BE(PE)	3	1	9566060850	AB	AB	AB	AB	AB	AB
23	PE629	AKASH J	BE(PE)	3	1	7708699237	AB	AB	AB	AB	AB	AB
24	PE642	GUBERAN R	BE(PE)	3	1	9659570789	AB	AB	AB	AB	AB	AB
25	PE644	HARISH.S	BE(PE)	3	1	9176222888	AB	AB	AB	AB	AB	AB
26	PE649	JITHIN RONALD	BE(PE)	3	1	9044033600	AB	AB	AB	AB	AB	AB
27	PE657	MRITUNJAY RAWAT	BE(PE)	3	1	9411383837	AB	AB	AB	AB	AB	AB
28	PE659	NARENDIRAN.R	BE(PE)	3	1	8012719125	AB	AB	AB	AB	AB	AB
29	PE661	NIRMAL RAJ.P	BE(PE)	3	1	8531834899	AB	AB	AB	AB	AB	AB
30	MN001	BHARATH KUMAR.S	BE(Mining)	3	2	7397163215	AB	AB	AB	AB	AB	AB
31	MN002	KISHWAR RAHMAN M	BE(Mining)	3	2	9944422579	AB	AB	AB	AB	AB	AB
32	MN003	PARTHEEBAN. R	BE(Mining)	3	2	9489669422	AB	AB	AB	AB	AB	AB
33	MN007	SOURAV SRISVASTAVA	BE(Mining)	3	2	7998122113	AB	AB	AB	AB	AB	AB
34	MN009	VENKATARAMANAN C	BE(Mining)	3	2	9524327093	AB	AB	AB	AB	AB	AB
35	MN004	RAGUL.R	BE(Mining)	3	2	9629602679	AB	AB	AB	AB	AB	AB

36	MN006	SANJAI R.	BE(Mining)	3	2	9597191181	R. Sanjay	R. Sanjay	R. Sanjay	R. Sanjay	R. Sanjay	R. Sanjay	R. Sanjay
37	MN011	JOE THOMAS EDWIN	BE(Mining)	3	2	7598892984	R. Sanjay	R. Sanjay	R. Sanjay	R. Sanjay	R. Sanjay	R. Sanjay	R. Sanjay
38	MN008	SURIYA R.	BE(Mining)	3	2	7397092696	R. Sanjay	R. Sanjay	R. Sanjay	R. Sanjay	R. Sanjay	R. Sanjay	R. Sanjay
39	MN010	VIMAL M.	BE(Mining)	3	2	9345026439	M.V. Vimal	M.V. Vimal	M.V. Vimal	M.V. Vimal	M.V. Vimal	M.V. Vimal	M.V. Vimal
40	MN005	RAJAGURU M.	BE(Mining)	3	2	8098769311	M. Rajaguru	M. Rajaguru	M. Rajaguru	M. Rajaguru	M. Rajaguru	M. Rajaguru	M. Rajaguru

Sign of the Faculty In charge

Mr Ilavaragan, AP/PE

Mr Vinod Vincent AP/NA



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

Value Added Course : Data Analytics with Python
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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
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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 : Diphanjan 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
1. The content was organized and easy to follow	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Participation and interaction were encouraged	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. The case studies discussed were very helpful	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. The topics covered were relevant to project work and employability	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. The materials distributed were helpful	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. The hands-on exercises supported the lecture and discussion	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. The trainer was knowledgeable about the training topics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. The Lab facilities Provided at CDAC were comfortable and appropriate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. The training objectives were met	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. The time allotted for the training was sufficient	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Any other comments</u>					

Diphanjan
 Signature of the Participant

Participant Name : Harshil Fernandez
 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

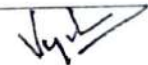
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1. The content was organized and easy to follow	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Participation and interaction were encouraged	<input checked=""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

Any other comments We would be happy if we could get more of opportunity at advanced level to help us in our job.

Harshil Fernandez
 Signature of the Participant


Participant Name : VYSHAKH.S
 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	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Participation and interaction were encouraged	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. The case studies discussed were very helpful	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. The topics covered were relevant to project work and employability	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. The materials distributed were helpful	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. The hands-on exercises supported the lecture and discussion	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. The trainer was knowledgeable about the training topics	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. The Lab facilities Provided at CDAC were comfortable and appropriate	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. The training objectives were met	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. The time allotted for the training was sufficient	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Any other comments</u>					


 Signature of the Participant

Participant Name : DHANWIN .V
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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Participation and interaction were encouraged	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. The case studies discussed were very helpful	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. The topics covered were relevant to project work and employability	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. The materials distributed were helpful	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. The hands-on exercises supported the lecture and discussion	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. The trainer was knowledgeable about the training topics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. The Lab facilities.Provided at CDAC were comfortable and appropriate	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. The training objectives were met	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. The time allotted for the training was sufficient	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Any other comments <i>Should have given more number of days.</i>					


Signature of the Participant

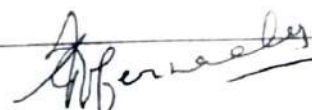
Participant Name : *Anugrah*
 Duration : Feb 4th to Feb 11th, 2019
 Title : Data Analytics using Python
 Instructions : Please indicate your level of agreement with the statement listed below. Put tick mark to the appropriate level

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

Anugrah
 Signature of the Participant

Participant Name : GLEN A. FERNANDES
 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

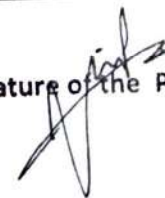
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1. The content was organized and easy to follow	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Participation and interaction were encouraged	<input checked=""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


 Signature of the Participant

Participant Name : Vineeth.B
 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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Participation and interaction were encouraged	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. The case studies discussed were very helpful	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. The topics covered were relevant to project work and employability	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. The materials distributed were helpful	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. The hands-on exercises supported the lecture and discussion	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. The trainer was knowledgeable about the training topics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. The Lab facilities Provided at CDAC were comfortable and appropriate	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. The training objectives were met	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. The time allotted for the training was sufficient	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Any other comments</u> : <u>Should have given more number of days for training.</u>					

Signature of the Participant



Participant Name : GOGUL SATHYAN (Mina Nator)
 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	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Participation and interaction were encouraged	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. The case studies discussed were very helpful	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. The topics covered were relevant to project work and employability	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. The materials distributed were helpful	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. The hands-on exercises supported the lecture and discussion	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. The trainer was knowledgeable about the training topics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. The Lab facilities Provided at CDAC were comfortable and appropriate	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. The training objectives were met	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. The time allotted for the training was sufficient	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Any other comments

Require more training and days to learn
 dupa.

[Signature]
 Signature of the Participant

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

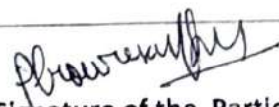
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1. The content was organized and easy to follow	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Participation and interaction were encouraged	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. The case studies discussed were very helpful	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. The topics covered were relevant to project work and employability	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. The materials distributed were helpful	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. The hands-on exercises supported the lecture and discussion	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. The trainer was knowledgeable about the training topics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. The Lab facilities Provided at CDAC were comfortable and appropriate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. The training objectives were met	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. The time allotted for the training was sufficient	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Any other comments : If would be helpful if you teach a short course which can possibly help us get a job.					

Signature of the Participant



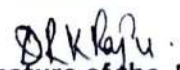
Participant Name : GOWRISANKAR.P
 Duration : Feb 4th to Feb 11th, 2019
 Title : Data Analytics using Python
 Instructions : Please indicate your level of agreement with the statement listed below. Put tick mark to the appropriate level

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


 Signature of the Participant

Participant Name : D. Kom Kishna Raju
 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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Participation and interaction were encouraged	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. The case studies discussed were very helpful	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. The topics covered were relevant to project work and employability	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. The materials distributed were helpful	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. The hands-on exercises supported the lecture and discussion	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. The trainer was knowledgeable about the training topics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. The Lab facilities Provided at CDAC were comfortable and appropriate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. The training objectives were met	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. The time allotted for the training was sufficient	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Any other comments</u>					


 Signature of the Participant

Participant Name : *Putha Bharya Nadha Reddy*
 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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Participation and interaction were encouraged	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. The case studies discussed were very helpful	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. The topics covered were relevant to project work and employability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. The materials distributed were helpful	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. The hands-on exercises supported the lecture and discussion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. The trainer was knowledgeable about the training topics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. The Lab facilities Provided at CDAC were comfortable and appropriate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. The training objectives were met	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. The time allotted for the training was sufficient	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Any other comments</u>					

P. Bharya
 Signature of the Participant

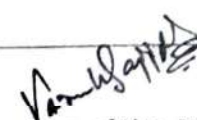
Participant Name : **VARUN WAZJALA**

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	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Participation and interaction were encouraged	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. The case studies discussed were very helpful	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. The topics covered were relevant to project work and employability	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. The materials distributed were helpful	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. The hands-on exercises supported the lecture and discussion	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. The trainer was knowledgeable about the training topics	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. The Lab facilities Provided at CDAC were comfortable and appropriate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. The training objectives were met	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. The time allotted for the training was sufficient	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Any other comments</u>					


Signature of the Participant

Akhil S. Thik

Participant Name : Akhil Thik

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	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Participation and interaction were encouraged	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. The case studies discussed were very helpful	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. The topics covered were relevant to project work and employability	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. The materials distributed were helpful	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. The hands-on exercises supported the lecture and discussion	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. The trainer was knowledgeable about the training topics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. The Lab facilities Provided at CDAC were comfortable and appropriate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. The training objectives were met	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. The time allotted for the training was sufficient	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Any other comments</u>					

Akhil

Signature of the Participant

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

50450855

ENROLLMENT ID



Nagaraj Dhruva

INSTRUCTOR NAME

2018-03-10

DATE

DAMIEN CAREY
SENIOR VICE PRESIDENT AND GENERAL MANAGER,
ORACLE UNIVERSITY



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

CERTIFICATE

AKHIL SHRIKANT THIRU

from AMET has participated in the Value Added Program on "Data Analytics using Python"
with Outstanding / ~~Excellent~~ / ~~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.

Vijay Kumar

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

Dr. P. Saravanan

Dr. P. SARAVANAN
Registrar, AMET

CERTIFICATE

S. GLEN FERNANDES

from AMET has participated in the Value Added Program on "Data Analytics using Python"
with Outstanding / ~~Excellent~~ / ~~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.

Vijay Kumar

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

Dr. P. Saravanan

Dr. P. SARAVANAN
Registrar, AMET

CERTIFICATE

VARUN WAJJALA

from AMET has participated in the Value Added Program on "Data Analytics using Python"
with Outstanding / ~~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.

Vijay Kumar

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

Dr. P. Saravanan

Dr. P. SARAVANAN
Registrar, AMET

CERTIFICATE

S. VYSHAKH

from AMET has participated in the Value Added Program on "Data Analytics using Python"
with [REDACTED] / Excellent / [REDACTED] 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.

Vijay Kumar

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

[Signature]

Dr. P. SARAVANAN
Registrar, AMET

AWARD OF COMPLETION

R VIVEKANANTH

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

50451090

ENROLLMENT ID



DAMIEN CAREY
SENIOR VICE PRESIDENT AND GENERAL MANAGER
ORACLE UNIVERSITY

Nagaraj Dhruva

INSTRUCTOR NAME

2018-03-10

DATE



AMET

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

Value-Added Training Feedback Report

Summary

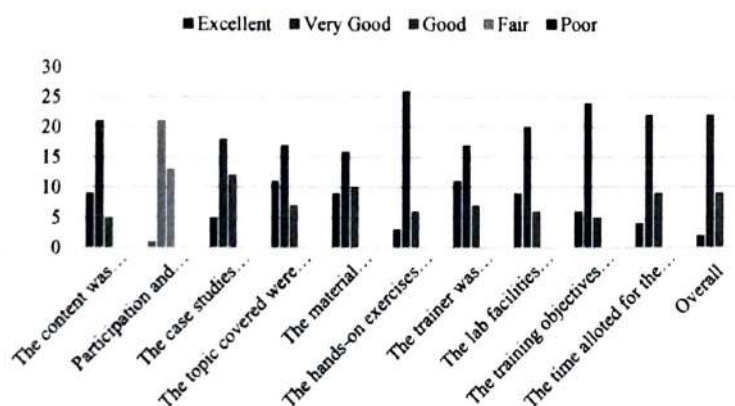


Figure 1: Summary on various categories of feedback

Overall Satisfaction

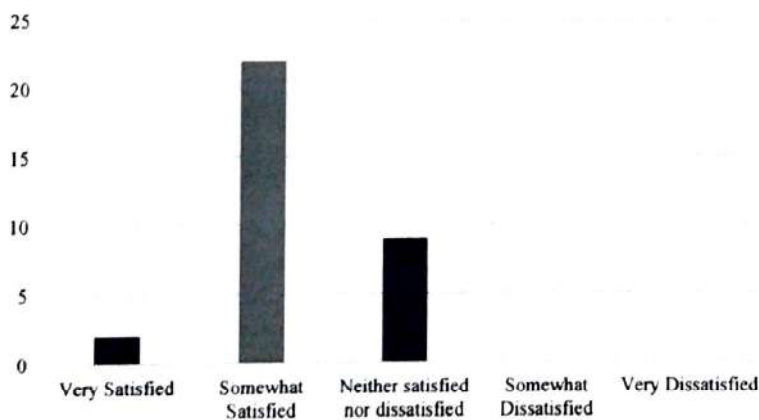


Figure 2: Overall response of the students.

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.