MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)
(An UGC Autonomous Institution, Affiliated to JNTUH, Hyderabad Accredited 2nd time by NAAC
with 'A' Grade & NBA and Recipient of World Bank Assistance under TEQIP--II S.C. 1.1)
Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad,
Telangana State – 500100
www.mrec.ac.in

Department of Master of Business Administration

CIRCULAR

Date: 04/10/2019

All the students are hereby informed that Value Added Course on **"Applications of Python for stock Performance Analysis"** on date 10th to 15th October, is being organized by the Master of Business Administration. The resource person for the course is "Dr.Ram Kumar".

Students are advised to register their names to the programme coordinator "Ms.V.V.L.Sameera", on or before 5st October and utilize this opportunity to enhance their skills by attending the programme.

The detailed schedule of the programme will be displayed in the notice board.

Head of the Department

HEAD OF THE DEPARTMENT
Master of Business Administration
MALLAREDDY ENGINEERING COLLEGE
(AUTONOMOUS)
Maisamma Guda, Sec'bad - 500 100

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2) All HOD's
3) Notice Boards
4) PA to principal for filing.

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Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100

About the Institution

Malla Reddy Engineering College (Autonomous) is one of the reputed engineering colleges in Hyderabad, Telangana. MREC (A) is part of Malla Reddy Group of Institutions (MRGI), founded by Sri. Ch. Malla Reddy, currently Hon'ble Minister, Labor and Employment, Factories, Women and Child Welfare and Skill Development, Govt. of Telangana State. The college is situated in a serene, lushgreenenvironmentin Maisammaguda, Gundlapochampally, Medchal(M), Medchal-Malkajgiri District Telangana– 500100.

The college was established in 2002 and is an autonomous institution approved by UGC and affiliated to JNTUH. The college is re-accredited by NAAC with 'A' Grade (II Cycle) and was conferred autonomous status by JNTUH in 2011 and by UGC in 2014 for a period of 6 years. Our eligible UG and PG programs received NBA accreditation and some of them received reaccreditation too. The college caters to wide ranging aspirations and goals of student communities by offering new courses in UG provides PG courses and MBA along with programs in various streams of Engineering & Technology and Management. It boasts of world-class infrastructure and well-equipped laboratories in all departments and is skillfully and smartly guided by **Dr. A. Ramaswami Reddy, Director, MREC (A)** and **Dr. A. Raveendra, Principal, MREC (A)** who have a rich teaching and industrial experience.

Mr.

Advisory Committee

Chief Patrons: Sri. Ch. Malla Reddy, Minister-Telangana State-India.
Founder Chairman
Malla Reddy Group of Institutions

Patrons: **Sri.Ch. Mahender Reddy**
Secretary, MRGI
Dr.Ch.Bhadra Reddy
President, MRGI

Co-Patrons: **Dr.A.RamaSwami Reddy**
Director, MREC (A)
Dr. A. Raveendra
Principal, MREC (A)

Convener: **Dr. K.ANIL KUMAR**
HOD MBA

Coordinator: **Dr.G.Praveen Kumar**
Associate Professor, MBA

Organizing Committee

Dr. K.Anil Kumar, Professor ,MBA.
Dr.G.Hema, Assoc. Professor, MBA.
Dr. G.Praveen Kumar, Assoc.Professor, MBA.
Mandala Sreenivas, Assoc.Professor, MBA
P.BuelaPrasannakumari, Assoc.Professor, MBA
P.Rajitha, Asst.Professor, MBA.
M.Balanji Reddy, Asst.Professor
K. Neeraja, Asst.Professor, MBA.
Mrs.K.Dhanalakshm, Asst.Professor
G.Ashok Kumar, Asst.Professor, MBA.
B.Kiran kumar reddy, Asst.Professor, MBA.
M.Poojitha Bhardwaj, Asst.Professor, MBA.
Mr.G.Bharani Vamsi, Asst.Professor, MBA.
Ch.Swetha, Asst.Professor, MBA
M. Rajini, Asst.Professor, MBA
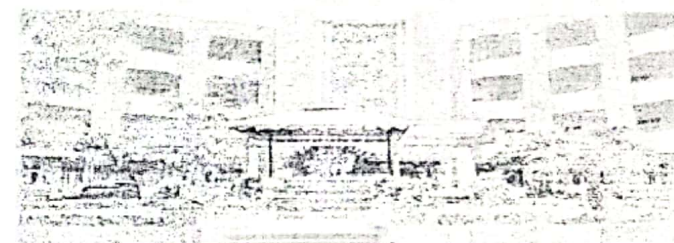Ch.Pushpayathi, Asst.Professor, MBA
ADAbhinavSwaroop, AsstProfessor, MBA

Registration Form:

Name of the Participant :----------------------

Branch& Year :-----------------------------------

Name of Institution:-----------------------------

Address for Communication:----------------------

Mobile Number:----------------------------------

E-Mail ID:--

DECLARATION:
The information furnished above is true to the best of my Knowledge.

Place:

Date:

Signature of Applicant

About the Department

    The MBA program of JNTUH was started in MREC (A) in the year 2007. The MBA department has the vision to achieve excellence and a leadership position in management education and to become a major learning resource centre in the field of Management studies in the entire South India. The MBA department adopts an open system in training and development of students' personality, which is essential for managerial positions. Stalwarts from both the industry and the academia constantly provide inputs for students.

Overview of the Programme:

Python is now becoming the number 1 programming language for data science. Due to python's simplicity and high readability, it is gaining its importance in the financial industry. The course combines both python coding and statistical concepts and applies into analyzing financial data, such as stock data. By the end of the course, you can achieve the following using python: - Import, pre-process, save and visualize financial data into pandas Dataframe - Manipulate the existing financial data by generating new variables using multiple columns - Recall and apply the important statistical concepts (random variable, frequency, distribution, population and sample, confidence interval, linear regression, etc. into financial contexts - Build a trading model using multiple linear regression model.

Objectives of the Programme

- Python is now becoming the number 1 programming language for data science. Due to python's simplicity and high readability, it is gaining its importance in the financial industry.
- The course combines both python coding and statistical concepts and applies into analyzing financial data, such as stock data.
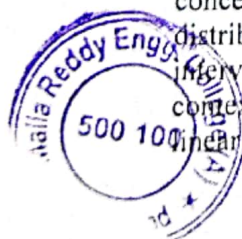
Topics to be covered

- ❖ Visualizing and Munging Stock Data
- ❖ Random variables and distribution
- ❖ Sampling and Inference
- ❖ Linear Regression Models for Financial Analysis

Certificate

After successful completion of the course the certificates shall be issued to the participants.

Outcome of the Program

- This course provides good pointers for anyone to have a taste of python packages and technical analysis. Since pandas has had version updates, you do need google to help some codes to be smooth in the latest version. After completed this course, you should be able to find some data on your own and try their correlations for a model with predictability testable by you.

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

Value Added Course
on
"Applications of Python for Stock performance Analysis"

27ᵗʰ January – 01ˢᵗ, February 2019
Programme Schedule

Date	Time	Topic	Resource Person
27-01-2019	10:10 – 11.00AM	General Introduction to Python and the class. Using the command interpreter and development environment	Dr.Ram Kumar
	11:00 -11:15AM	**Tea Break**	
	11.15 – 12:45 PM	Kick-off tutorial	
	12:45 – 1:30PM	**Lunch**	
	1:30 – 2:30 PM	Finding and using the documentation. Getting help.	
	2:30 – 2:45PM	**Tea Break**	
	2:45 -4:00 PM	Python 2/3 differences	
28-01-2019	9:30 – 11.00AM	Introduction to git and GitHub, Basic data types	Dr.Ram Kumar
	11:00 -11:15AM	**Tea Break**	
	11.16– 12:45 PM	Functions: definition and use, arguments, block structure, scope, recursion	
	12:45 – 1:30PM	**Lunch**	
	1:30 – 2:30 PM	Modules and import	
	2:30 – 2:45PM	**Tea Break**	
	2:45 -4:00 PM	Conditionals and Boolean expressions	
	9:30 – 11.00AM	Sequences: Strings, Tuples, Lists	
	11:00 -11:15AM	**Tea Break**	
	11.15 – 12:45 PM	Iteration, looping and control flow	

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Date	Time	Topic	Faculty
29-01-2019	12:45 – 1:30PM	Lunch	Dr.Ram Kumar
	1:30 – 2:30 PM	String methods and formatting	
	2:30 – 2:45PM	Tea Break	
	2:45 -4:00 PM	Iterators and Generators	
30-01-2019	9:30 – 11.00AM	Dictionaries, Sets and Mutability.	Dr.Ram Kumar
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	Files and Text Processing	
	12:45 – 1:30PM	Lunch	
	1:30 – 2:30 PM	Exceptions, Testing	
	2:30 – 2:45PM	Tea Break	
	2:45 -4:00 PM	List and Dict Comprehensions	
31-01-2019	9:30 – 11.00AM	Multiple inheritance	Dr.Ram Kumar
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	Properties	
	12:45 – 1:30PM	Lunch	
	1:30 – 2:30 PM	Special methods	
	2:30 – 2:45PM	Tea Break	
	2:45 -4:00 PM	Emulating built-in types	
01-02-2019	9:30 – 11.00AM	Decorators	Dr.Ram Kumar
	11:00 -11:15AM	Tea Break	
	11.15 – 12:45 PM	Context Managers	
	12:45 – 1:30PM	Lunch	
	1:30 – 2:30 PM	Regular expression	
	2:30 – 2:45PM	Tea Break	
	2:45 -4:00 PM	Wrap Up / Students Code review	

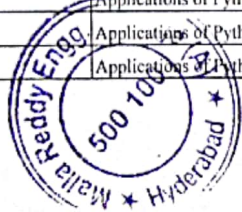Coordinator   HOD   Principal

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Telangana State – 500100, www.mrec.ac.in

VAC List of Students 2019-20

S.NO	ROLL NO	NAME OF THE STUDENT	COURSE	DURATION FROM	DURATION TO
1	19J41E0001	A SRIKANTH	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
2	19J41E0002	AAGLAVE MAHESH SUDHAKARRAO	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
3	19J41E0003	AAKARAM VENKATESH	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
4	19J41E0004	AKULA NAVEEN SAI	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
5	19J41E0005	ANKARLA LAVANYA	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
6	19J41E0006	ANURADHA KUMARI	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
7	19J41E0007	ANVESH REDDY ANNADI	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
8	19J41E0008	BEZAWADA LAKSHMI DEEPIKA	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
9	19J41E0009	BINDU MATHI M	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
10	19J41E0011	CHUDURALA YASWANTH KUMAR	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
11	19J41E0013	DHONDI ANUSHA	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
12	19J41E0014	DONDA SAMPATH	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
13	19J41E0015	EGALAPATI GANESH KUMAR	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
14	19J41E0016	ERRI BHANU	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
15	19J41E0017	GAJAWELLY RAMYA	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
16	19J41E0018	GOLCONDA VINEETHA	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
17	19J41E0019	GOPIDI VASUDEV REDDY	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
18	19J41E0020	SONIA BEGUM	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
19	19J41E0021	JAKKULA SRIKANTH	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
20	19J41E0022	K ANJANEYULU	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
21	19J41E0023	KANKANALA VEERABABU	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
22	19J41E0024	KASARAMAINA VIJAY CHANDU YADAV	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
23	19J41E0025	MADHAVARAM SAI KISHAN RAO	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
24	19J41E0026	MADUGULA LAKSHMI SOWJANYA	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
25	19J41E0027	MADURI MOUNIKA	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
26	19J41E0029	MATHA MOHITH KUMAR	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
27	19J41E0030	MENDE RAMESH	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
28	19J41E0031	NAKKA SRIKANTH	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
29	19J41E0032	NEERATI MANOJ KUMAR	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
30	19J41E0033	NELLORE YOGESHREDDY	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
31	19J41E0034	NOMULA LAXMI	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
32	19J41E0035	P SRAVANI	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
33	19J41E0036	PAKALA MOUNIKA	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
34	19J41E0037	PATHOORI NITHYA SANTHOSHI	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
35	19J41E0039	PEDAGOLLA ASWINI	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
36	19J41E0040	PEDDA KOLIMI SWETHA	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
37	19J41E0041	PENDHOTA MARUTHI	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
38	19J41E0042	POSHAMONI GANESH	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
39	19J41E0043	RAVULAPALLY ARCHANA	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
40	19J41E0044	REKHA YADAV	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
41	19J41E0046	SANDHGARI SURESH REDDY	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
42	19J41E0047	SANDHUGARI VINAY REDDY	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
43	19J41E0048	SHIVANI THAKUR	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
44	19J41E0049	SUNKARI RAMBABU	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
45	19J41E0050	T.RAYAPPA REDDY	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
46	19J41E0051	VADAKAPURAM SADHANA	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
47	19J41E0052	VEGULLA KRISHNAVENI	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020
48	19J41E0052	VEGULLA KRISHNAVENI	Applications of Python for stock performance Analysis	27/01/2020	1/2/2020

HEAD OF THE DEPARTMENT
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Department of Master of Business Administration

CIRCULAR

Date: 04/10/2019

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State – 500100
www.mrec.ac.in

DEPARTMENT OF MASTER OD BUSINESS ADMINISTRATION
ACADEMIC YEAR: 2019-20
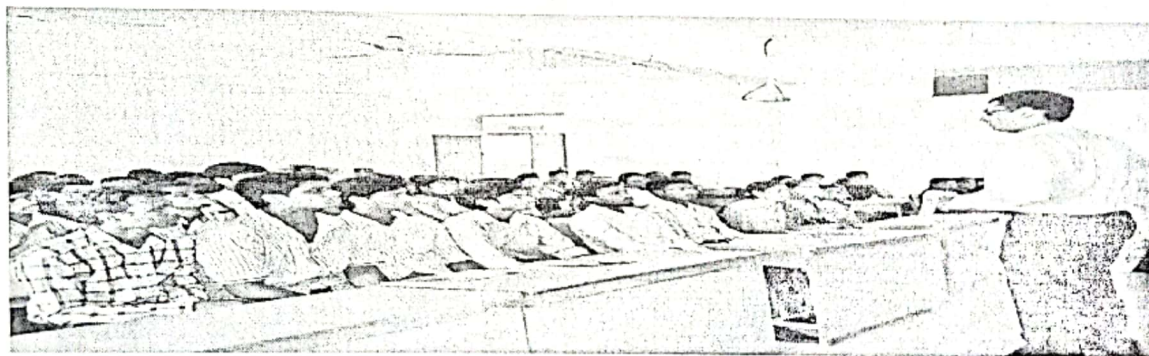### SUMMARY REPORT

Value added course name: "Applications of Python for stock Performance Analysis"
Value added course Instructor: Dr. Ram Kumar

Python is a high-level, interpreted programming language designed to be simple to learn and maintain. Python is free, open-source software. Python runs on Windows, Mac OS X, Linux and UNIX operating systems. Python is written in the C programming language, but versions written in Java and C# are also available. Python includes an interactive shell that enables you to test your code at the command prompt and receive immediate feedback.

While this lecture ends on a depressing note, keep in mind that the efficient market hypothesis has many critics. My own opinion is that as trading becomes more algorithmic, beating the market will become more difficult. That said, it may be possible to beat the market, even though mutual funds seem incapable of doing so (bear in mind, though, that part of the reason mutual funds perform so poorly is because of fees, which is not a concern for index funds).

This lecture is very brief, covering only one type of strategy: strategies based on moving averages. Many other trading signals exist and employed. Additionally, we never discussed in depth shorting stocks, currency trading, or stock options. Stock options, in particular, are a rich subject that offers many different ways to bet on the direction of a stock.

Remember that it is possible (if not common) to lose money in the stock market. It's also true, though, that it's difficult to find returns like those found in stocks, and any investment strategy should take investing in it seriously. This lecture is intended to provide a starting point for evaluating stock trading and investments, and, more generally, analyzing temporal data, and I hope you continue to explore these ideas.

To sum up, it was a well thought-out workshop of motivating the students to discover themselves.

Co-Ordinator

PRINCIPAL
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MBA HOD

HEAD OF THE DEPARTMENT
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Maisammaguda, Dhulapally (Post via Kompally), Secunderabad - 500 100.

Certificate of Completion

This is to certify that Mr./Ms **A SRIKANTH** bearing

Roll No. __19J41E0001__ has successfully completed Value Added Course

in **APPLICATIONS OF PYTHON FOR STOCK PERFORMANCE ANALYSIS** conducted by the Department of

__MBA__ from 27/01/2020 to 1/2/2020.

COORDINATOR

HOD

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Certificate of Completion

This is to certify that Mr./Ms ___**AAGLAVE MAHESH SUDHAKARRAO**___ bearing

Roll No. ___19J41E0002___ has successfully completed Value Added Course

in ___APPLICATIONS OF PYTHON FOR STOCK PERFORMANCE ANALYSIS___ conducted by the Department of

___MBA___ from _27/01/2020_ to _1/2/2020_ .

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Certificate of Completion

This is to certify that Mr./Ms __AAKARAM VENKATESH__ bearing

Roll No __19J41E0003__ has successfully completed Value Added Course

in __APPLICATIONS OF PYTHON FOR STOCK PERFORMANCE ANALYSIS__ conducted by the Department of

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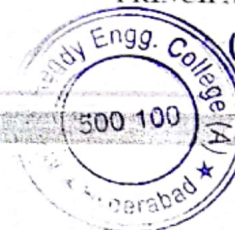
Certificate of Completion

This is to certify that Mr./Ms **AKULA NAVEEN SAI** bearing

Roll No. 19J41E0004 has successfully completed Value Added Course

in **APPLICATIONS OF PYTHON FOR STOCK PERFORMANCE ANALYSIS** conducted by the Department of

MBA from 27/01/2020 to 1/2/2020.

COORDINATOR

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Certificate of Completion

This is to certify that Mr./Ms __ANKARLA LAVANYA__ bearing

Roll No __19J41E0005__ has successfully completed Value Added Course

in __APPLICATIONS OF PYTHON FOR STOCK PERFORMANCE ANALYSIS__ conducted by the Department of

__MBA__ from 27/01/2020 to 1/2/2020 .

COORDINATOR

HOD

PRINCIPAL