



Keral Verma Subharti College of Sciences
Department of Mathematics

VALUE ADDED COURSE DATA ANALYSIS

VAC-Math-103

2016-2017

	OBJECTIVE	<ul style="list-style-type: none">• This course will review and expand upon core topics in statistics and probability, particularly by initiating the beneficiaries of the software for statistical computing.
	DURATION	<ul style="list-style-type: none">• 05-09 MAY 2017.
	VALUE	<ul style="list-style-type: none">• KERAL VERMA SUBHARTI COLLEGE OF SCIENCES

Course convener
Dr. Jitendra Kumar
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Cordinator
Dr. Vikas Tyagi
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SYLLABUS

Name of Value Added Course: **Data Analysis**

Course Code: **VAC-Math-103**

Time: **30hrs**

Objective

This course will review and expand upon core topics in statistics and probability, particularly by initiating the beneficiaries of the course to the software for statistical computing.

UNIT I

Learn how to load data, plot a graph viz. histograms (equal class intervals and unequal class intervals), box plot, stem-leaf, frequency polygon, pie chart, ogives with graphical summaries of data

UNIT II

Generate automated reports giving detailed descriptive statistics, correlation and lines of regression.

UNIT III

Random number generation and sampling procedures. Fitting of polynomials and exponential curves. Application Problems based on fitting of suitable distribution, Normal probability plot.

UNIT IV

Simple analysis and create and manage statistical analysis projects, import data, code editing, Basics of statistical inference in order to understand hypothesis testing and compute p-values and confidence intervals.

SUGGESTED READING:

1. Moore, D.S. and McCabe, G.P. and Craig, B.A. (2014): Introduction to the Practice of Statistics, W.H. Freeman
2. Cunningham, B.J (2012): Using SPSS: An Interactive Hands on approach
3. Cho, M.J., Martinez, W.L. (2014) Statistics in MATLAB: A Primer, Chapman and Hall/CRC

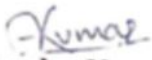

Registrar
Swami Vivekanand
Subharti University
MEERUT

Report

A value-added course on data analysis was organized by Department of Mathematics, Faculty of Science from 05-09th May 2017.

Total duration of the course was 30 hours. A total of 50 students registered and successfully completed the course. The course was coordinated by Dr. Vikas Tyagi.

Students actively participated in the value-added course and feedback was received that they are interested to have more of such kind of value-added courses.


[Dr. Jitendra Kumar]
Officiating HOD Mathematics


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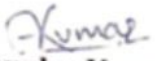
List of Students completed VAC

Name of Value-Added Course: **Data Analysis**

Course Code: **VAC-M-103**

S. No.	Enrollment No.	Name of Students
1	1606020002274	AAYUSHI SINGH
2	1606020002298	KM VAISHALI
3	1606020002308	KM. MEGHA DEVI
4	1606020002310	MONIKA
5	1606020002311	NEELAM YADAV
6	1606020002318	PRIYA SAGAR
7	1606020002319	PRIYANKA VERMA
8	1606020002321	RAHUL VERMA
9	1606020002329	SHEETAL CHAUDHARY
10	1606020002338	TRIPTI CHAUHAN
11	1606010002085	DEEPAK KUMAR
12	1606010002089	GAURAV
13	1606010002092	HARSHITA
14	1606010002093	HARSHITA POONIA
15	1606010002100	JAIVEER SINGH
16	1606010002105	KM MONIKA SHARMA
17	1606010002109	KM. MAMTA NEGI
18	1606010002110	KM. MANSI
19	1606010002112	KM. SAKSHI SHARMA
20	1606010002116	LAVI KUMAR
21	1606010002129	MUSKAN ANAND
22	1606010002140	RITIKA ARORA
23	1606010002146	SHARDUL SINGH
24	1606010002154	SHUBHAM KUMAR
25	1606010002160	SONU KUMAR
26	1606010002161	STUTI AGARWAL
27	1606010002165	VAIBHAV
28	1606010001819	ABHILASHA CHAUHAN
29	1606010001869	DEEPIKA SIROHI
30	1606010001870	DEEPTI MANDAL
31	1606010001926	KUMARI NANCY
32	1606010001928	LAVISH MALIK
33	1606010001929	LOVE TYAGI
34	1606010001930	MANISH KUMAR
35	1606010001932	MANISHA RANI PAL
36	1606010001944	MOHD TALIB
37	1606010001946	MOHD. SHAHBAZ
38	1606010001950	MOHIT YADAV
39	1606010001952	MOIN SAIFI
40	1606010001958	NAZIM
41	1606010001975	PARITOSH KUMAR
42	1606010001978	POOJA LOHIYA
43	1606010001979	POOJA SINGH
44	1606010002002	ROHIT KUMAR
45	1606010002003	ROHIT KUMAR

46	1606010002005	ROOP SINGH
47	1606010002007	RUCHI SINGH
48	1606010002009	SACHIN KUMAR
49	1606010002017	SHAHIR HUSSAIN
50	1606010002023	SHIVAM KUMAR


[Dr. Jitendra Kumar]
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