

**BLDE ASSOCIATION'S
S.B.ARTS AND K.C.P SCIENCE COLLEGE,
VIJAYAPUR**



DEPARTMENT OF STATISTICS

VALUE ADDED COURSE

ON

“ R-PROGRAMMING “

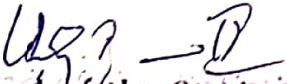
FROM THE ACADEMIC YEAR 2016-17

B.L.D.E Association's
S.B.Arts and K.C.P. Science College, Vijayapur
Department of Statistics


For the Academic Year: 2016 - 17

NOTICE

Our department is conducting value-added course on R-Programming for B.Sc V sem students. The course is initiated from 2nd week of July 2016. Interested students can enroll their names.


Head of the Statistics
Department
S. B. Arts & K. C. P. Sc. College,
Bijapur.


IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur.


Principal,
S.B. Arts and KCP Science College
VIJAYAPUR

B.L.D.E. A'S
S.B. ARTS & K. C. P. SCIENCE COLLEGE VIJAYAPUR.
DEPARTMENT OF STATISTICS
SYLLABUS FOR VALUE ADDED COURSE IN STATISTICS
Course Code: sbkcpstat01
Effect from 2016

OBJECTIVES:

- R is most comprehensive Statistical analysis package as new technology.
- R is an open source.

R – Programming

Total hours : 30

Unit 1: Introduction to R :

6hrs

Introduction, Importance of R, Help in R, First steps.

Unit 2: R – An advanced/overgrown calculator :

6hrs

Operators in R, Arithmetic, logical, Relational Operators, Numeric functions, Character functions, Statistical Probability functions.

Unit 3: Diagrams and Graphics with R :

6hrs

Standard plot functions, some Arguments to plot() function, Low level plotting functions.

Unit 4: Analysis of Variance (ANOVA) :

6hrs

Model, Assumptions, Bartlett's test, Two – way ANOVA.

Unit 5: Time Series Analysis using R :

6hrs

Uses of Time Series Analysis, Analyzing the time series, Decomposing the time series, creating a time series, moving average.


References:

1. R for data science - Hadley Wickham
2. Cookbook for R – Winston Chang
3. R programming for data science – Roger.D.Peng


H.O.D.

Department of Statistics
BLDEA's S. B. Arts & K.C.P.
Sci. College, Vijayapur.


IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur.


Principal,
S.B.Arts and KCP Science Coll
VIJAYAPUR

B.L.D.E. A'S

S.B. ARTS & K. C. P. SCIENCE COLLEGE BIJAPUR.

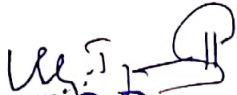
DEPARTMENT OF STATISTICS: 2016-2017

Time Table for Value Added Course

R – Programming

SI.NO	DAY	TIME
1	WEDNESDAY	11.00 to 12.00
2	THURSDAY	11.00 to 12.00

1. Prof. J.D.Horakeri
2. Prof. Nikita Nikkam


H.O.D.

Department of Statistics
BLDEA's S. B. Arts & K.C.P.
Sci. College, Vijayapur.


IQAC, Co-ordinator

S.B.Arts & K.C.P.Science College, S.B. Arts and KCP Science Colleg
Vijayapur.


Principal,
VIJAYAPUR

B.L.D.E. A'S
S.B.ARTS AND K.C.P SCIENCE COLLEGE,VIJAPUR
Department : Statistics
STUDENT LIST FOR "VALUE ADDED TRAINING COURSE" 2016-17
Subject : R-Programming **B.Sc - V**

SL No.	Name	Roll No
1	Pooja Bommanahalii	52
2	Deepa.Biradar	86
3	Shruti.Honawad	93
4	Rajashree.Madabhavi	95
5	Geeta.Patil	108
6	Roopa.Jadhav	134
7	Ranjeeta.Pattar	141
8	Sweta.S	150
9	Vijayalaxmi.Choudari	159
10	Kavita.Patil	161
11	Matapati.Veeresh	164
12	Rajashekar.Pujari	180
13	Shrineevas.Mali	181
14	Pooja.Pujari	188
15	Rekha.Itagi	192
16	Akshata.Totda	193
17	Shruti.Bagali	195
18	Arpita.Surdesai	197
19	Gururaj.Tapashetti	207
20	Manisha.Patil	219


H.O.D.

Department of Statistics
BLDEA's S. B. Arts & K.C.P.
Sci. College, Vijayapur.


IQAC, Co-ordinator

S.B.Arts & K.C.P.Science College,
Vijayapur.


Principal.

S.B. Arts and KCP Science College
VIJAYAPUR

B.L.D.E Association's
S.B.Arts and K.C.P. Science College, Vijayapur
 Department of Statistics

STUDENT ATTENDANCE LIST FOR "VALUE ADDED TRAINING COURSE" 2016-17
 Subject : R-Programming Class: BSc V Sem

Sl No	Name	Roll No	06/07	07/07	13/07	14/07	20/07	21/07	27/07	28/07	03/08	04/08
1	Pooja Bommanahalli	52	Pbu	Pbu	Pbu	Pbu	Pbu	Pbu	A	Pbu	Pbu	Pbu
2	Deepa.Biradar	86	Deepa	Deepa	A	Deepa	A	Deepa	Deepa	Deepa	Deepa	Deepa
3	Shruti.Honawad	93	Shrut	Shrut	Shrut	Shrut	Shrut	Shrut	Shrut	Shrut	Shrut	Shrut
4	Rajashree.Madabhavi	95	Ry	Ry	Ry	Ry	Ry	Ry	Ry	Ry	Ry	Ry
5	Geeta.Patil	108	Geeta	Geeta	A	Geeta	Geeta	Geeta	Geeta	Geeta	Geeta	Geeta
6	Roopa.Jadhav	134	Roopa	Roopa	Roopa	Roopa	Roopa	A	Roopa	Roopa	Roopa	Roopa
7	Ranjeeta.Pattar	141	Rp	Rp	Rp	Rp	Rp	Rp	Rp	Rp	Rp	Rp
8	Sweta.S	150	Sweta	Sweta	A	Sweta	Sweta	A	Sweta	Sweta	Sweta	Sweta
9	Vijayalaxmi.Choudari	159	V.C	V.C	V.C	V.C	V.C	V.C	V.C	V.C	V.C	V.C
10	Kavita.Patil	161	Kp	Kp	Kp	A	Kp	Kp	Kp	Kp	Kp	Kp
11	Matapati.Veeresh	164	Mp	Mp	Mp	Mp	Mp	Mp	A	Mp	Mp	Mp
12	Rajashekar.Pujari	180	Rpuj	A	Rpuj	A	Rpuj	Rpuj	Rpuj	Rpuj	Rpuj	Rpuj
13	Shrineevas.Mali	181	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
14	Pooja.Pujari	188	Pp	Pp	Pp	A	Pp	Pp	Pp	Pp	Pp	Pp
15	Rekha.Itagi	192	Rek	Rek	Rek	Rek	Rek	A	Rek	Rek	Rek	Rek
16	Akshata.Totda	193	Akshata	Akshata	A	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata
17	Shruti.Bagali	195	ShB	ShB	ShB	ShB	ShB	ShB	A	ShB	ShB	ShB
18	Arpita.Surdesai	197	APs	APs	A	APs	APs	APs	APs	APs	APs	APs
19	Gururaj.Tapashetti	207	GT	GT	GT	GT	GT	GT	GT	GT	GT	GT
20	Manisha.Patil	219	Mp	Mp	Mp	Mp	Mp	Mp	Mp	Mp	Mp	Mp

H.O.D.

Department of Statistics
 BLDEA's S. B. Arts & K.C.P.
 Sci. College, Vijayapur.

IQAC, Co-ordinator
 S.B.Arts & K.C.P.Science College,
 Vijayapur.

Principal,
 S.B. Arts and KCP Science College
 VIJAYAPUR

B.L.D.E Association's
S.B.Arts and K.C.P. Science College, Vijayapur
 Department of Statistics

STUDENT ATTENDANCE LIST FOR "VALUE ADDED TRAINING COURSE" 2016-17
Subject : R-Programming **Class: BSc V Sem**

Sl No	Name	Roll No	10/08	11/08	17/08	18/08	24/08	25/08	31/08	01/09	07/09	08/09
1	Pooja Bommanahalli	52	P.Ban	P.Ban	P.Ban	P.Ban	P.B	P.Ban	P.Ban	P.B	P.Ban	P.Ban
2	Deepa.Biradar	86	Deepa	Deepa	Deepa	Deepa	Deepa	Deepa	Deepa	Deepa	Deepa	Deepa
3	Shruti.Honawad	93	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
4	Rajashree.Madabhavi	95	RY	RY	RY	RY	RY	RY	RY	RY	RY	RY
5	Geeta.Patil	108	A	Geeta	Geeta	Geeta	Geeta	Geeta	Geeta	Geeta	Geeta	Geeta
6	Roopa.Jadhav	134	Roopa	Roopa	Roopa	Roopa	A	Roopa	Roopa	Roopa	Roopa	Roopa
7	Ranjeeta.Pattar	141	RP	RP	A	RP	RP	RP	RP	RP	RP	RP
8	Sweta.S	150	Sweta	Sweta	Sweta	Sweta	Sweta	Sweta	A	Sweta	Sweta	Sweta
9	Vijayalaxmi.Choudari	159	V.C	V.C	V.C	V.C	V.C	V.C	V.C	V.C	V.C	V.C
10	Kavita.Patil	161	KP	KP	A	KP	KP	KP	KP	KP	KP	KP
11	Matapati.Veeresh	164	MM	MM	MM	MM	A	MM	MM	MM	MM	MM
12	Rajashekar.Pujari	180	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh
13	Shrineevas.Mali	181	S.M	S.M	S.M	S.M	A	S.M	S.M	S.M	S.M	S.M
14	Pooja.Pujari	188	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP
15	Rekha.Itagi	192	Rek	Rek	Rek	Rek	Rek	A	Rek	Rek	Rek	Rek
16	Akshata.Totda	193	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	A	Akshata
17	Shruti.Bagali	195	ShB	ShB	A	ShB	ShB	ShB	ShB	ShB	ShB	ShB
18	Arpita.Surdesai	197	APe	APe	APe	APe	APe	APe	APe	APe	A	A
19	Gururaj.Tapashetti	207	GT	GT	GT	GT	GT	GT	GT	GT	GT	GT
20	Manisha.Patil	219	MP	MP	MP	MP	A	MP	MP	MP	MP	MP

H.O.D.

Department of Statistics
 BLDEA's S. B. Arts & K.C.P.
 Sci. College, Vijayapur.

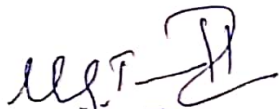
IQAC, Co-ordinator
 S.B.Arts & K.C.P.Science College,
 Vijayapur.

Principal,
 S.B. Arts and KCP Science College,
 VIJAYAPUR

B.L.D.E Association's
S.B.Arts and K.C.P. Science College, Vijayapur
Department of Statistics

STUDENT ATTENDANCE LIST FOR "VALUE ADDED TRAINING COURSE" 2016-17
Subject : R-Programming Class: BSc V Sem

Sl No	Name	Roll No	4/109	15/109	21/109	22/109	28/109	29/109	05/110	05/110	12/110	13/110
1	Pooja Bommanahalii	52	P.Bom	P.Bom	P.Bom	P.Bom	P.Bom	A	P.Bom	P.Bom	P.Bom	P.Bom
2	Deepa.Biradar	86	Deepa	Deepa	Deepa	Deepa	Deepa	Deepa	Deepa	A	Deepa	Deepa
3	Shruti.Honawad	93	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
4	Rajashree.Madabhavi	95	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj
5	Geeta.Patil	108	Geeta	Geeta	Geeta	Geeta	Geeta	Geeta	A	Geeta	Geeta	Geeta
6	Roopa.Jadhav	134	X	Roopa	Roopa	A	Roopa	Roopa	Roopa	Roopa	Roopa	Roopa
7	Ranjeeta.Pattar	141	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj
8	Sweta.S	150	Sweta	Sweta	Sweta	Sweta	A	Sweta	Sweta	Sweta	Sweta	Sweta
9	Vijayalaxmi.Choudari	159	V.C	V.C	V.C	V.C	V.C	A	V.C	V.C	V.C	V.C
10	Kavita.Patil	161	KP	KP	KP	KP	KP	KP	KP	KP	KP	KP
11	Matapati.Veeresh	164	MV	MV	MV	MV	MV	A	MV	MV	MV	MV
12	Rajashekar.Pujari	180	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj	Raj
13	Shrineevas.Mali	181	S.M	S.M	S.M	S.M	S.M	S.M	S.M	S.M	S.M	S.M
14	Pooja.Pujari	188	PJ	PJ	X	PJ	PJ	PJ	PJ	PJ	PJ	PJ
15	Rekha.Itagi	192	Rek	Rek	Rek	Rek	Rek	A	Rek	Rek	Rek	Rek
16	Akshata.Totda	193	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	A	Akshata	Akshata
17	Shruti.Bagali	195	ShB	ShB	ShB	A	ShB	ShB	ShB	ShB	ShB	ShB
18	Arpita.Surdesai	197	AP	AP	AP	A	AP	AP	AP	AP	AP	AP
19	Gururaj.Tapashetti	207	GT	GT	GT	GT	GT	GT	GT	GT	GT	GT
20	Manisha.Patil	219	MP	MP	MP	MP	MP	A	MP	MP	MP	MP


H.O.D.

Department of Statistics
BLDEA's S. B. Arts & K.C.P.
Sci. College, Vijayapur.



IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur.

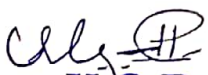


S.B. Arts and KCP Science College
VIJAYAPUR.

B.L.D.E Association's
S.B.Arts and K.C.P. Science College, Vijayapur
Department of Statistics
For the Academic Year : 2016 – 17
value-added course

NOTICE

This is to inform all the student of Bsc Statistics that the “Value added training Course on R-Programming ” Exam will be conducted on 10-10-2016. So the students have to attend the Exam at 11 am .


H.O.D.

Department of Statistics
BLDEA's S. B. Arts & K.C.P.
Sci. College, Vijayapur.



~~IQAC, Co-ordinator~~
S.B.Arts & K.C.P.Science College,
Vijayapur.



Principal,
S.B. Arts and KCP Science College
VIJAYAPUR

SBAKCPSC/ BSc V SEM/STATISTICS/ Value Added Course Test 2016-17

Time : 3 Hours

Marks : 60

PART-A

Answer the following questions.

4 X 5 = 20

1. What are the types of R objects.
2. Mention any two arithmetic operators in R.
3. Mention any two logical operators in R.
What is meant by Vectors.
4. Write the arguments to plot functions used in R.
5. Write the low level plotting functions used in R.

PART-B

Answer the following questions.

5 X 4 = 20

6. Write the statistical probability functions used in R.
7. Mention the functions which are used to find help in R.
8. Write the built in functions used in R.
9. What is R script.

PART-C

Answer the following questions.

10 X 2 = 20

10. Write a note on operators in R.
11. Write a note on standard plot functions in R.


H.O.D.

Department of Statistics
BLDEA's S. B. Arts & K.C.P.
Sci. College, Vijayapur.



IQAC, Co-ordinator

S.B.Arts & K.C.P.Science College, S.B. Arts and KCP Science College
Vijayapur.



Principal,

S.B. Arts and KCP Science College
VIJAYAPUR


B.L.D.E Association's
S.B.Arts and K.C.P. Science College, Vijayapur
Department of Statistics
Result for Value - added course 2016 – 17

Sl No	Name	Roll No	Marks for Theory (out of 50)	Marks for Practical (out of 40)	Total Marks	Grade
1	Pooja Bommanahalli	52	57	30	87	A
2	Deepa.Biradar	86	58	35	93	A
3	Shruti.Honawad	93	35	38	73	B
4	Rajashree.Madabhav	95	55	33	88	A
5	Geeta.Patil	108	56	32	88	A
6	Roopa.Jadhav	134	46	30	76	B
7	Ranjeeta.Pattar	141	48	38	86	A
8	Sweta.S	150	49	35	84	B
9	Vijayalaxmi.Choudari	159	59	30	89	A
10	Kavita.Patil	161	57	35	92	A
11	Matapati.Veeresh	164	53	38	91	A
12	Rajashekar.Pujari	180	39	33	72	B
13	Shrineevas.Mali	181	49	32	81	B
14	Pooja.Pujari	188	48	30	78	B
15	Rekha.Itagi	192	49	38	87	A
16	Akshata.Totda	193	52	35	87	A
17	Shruti.Bagali	195	53	40	93	A
18	Arpita.Surdesai	197	56	38	94	A
19	Gururaj.Tapashetti	207	56	30	86	A
20	Manisha.Patil	219	49	35	84	A

Grade: A- (85-100), B- (70-85), C-(55-70), D- (40-55)


H.O.D.
Department of Statistics
BLDEA's S. B. Arts & K.C.P.
Sci. College, Vijayapur.


IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur.


Principal,
S.B. Arts and KCP Science Colleg
VIJAYAPUR



B. L. D. E. Association's

S.B. ARTS & K.C.P. SCIENCE COLLEGE, VIJAYAPUR

(Re-Accredited by NACC at 'A' Level in 3rd Cycle)

Internal Quality Assurance Cell Initiative

VALUE ADDED COURSE

Certificate




This is to certify that Mr./Ms. Rajashree. Madabhavi

has Completed the Value Added Course on "R- Programming"

Conducted by the Department of Statistics during the

Year 2016-17


Head of the Department


IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur. Co-Ordinator, IQAC


Principal,
S.B. Arts and KCP Science College
VIJAYAPUR


Principal



B. L. D. E. Association's

S.B. ARTS & K.C.P. SCIENCE COLLEGE, VIJAYAPUR

(Re-Accredited by NACC at 'A' Level in 3rd Cycle)

Internal Quality Assurance Cell Initiative

VALUE ADDED COURSE

Certificate

This is to certify that Mr./Ms. Shrineevas. Mali.

has Completed the Value Added Course on "R- Programming"

Conducted by the Department of Statistics during the

Year 2016-17

Head of the Department

IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College
Vijayapur.

Co-Ordinator, IQAC

Principal,
S.B. Arts and KCP Science College
VIJAYAPUR

Principal





B. L. D. E. Association's

S.B. ARTS & K.C.P. SCIENCE COLLEGE, VIJAYAPUR

(Re-Accredited by NACC at 'A' Level in 3rd Cycle)

Internal Quality Assurance Cell Initiative

VALUE ADDED COURSE

Certificate

This is to certify that Mr./Ms. Rajachekar Pujari

has Completed the Value Added Course on "R- Programming"

Conducted by the Department of Statistics during the

Year 2016-17


Head of the Department

IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College
Vijayapur. Co-Ordinator, IQAC


Principal,
S.B. Arts and KCP Science College
VIJAYAPUR

Principal





B. L. D. E. Association's

S.B. ARTS & K.C.P. SCIENCE COLLEGE, VIJAYAPUR

(Re-Accredited by NACC at 'A' Level in 3rd Cycle)

Internal Quality Assurance Cell Initiative


VALUE ADDED COURSE

Certificate



This is to certify that Mr./Ms. Pooja . Bommanahalli
 has Completed the Value Added Course on "R - Programming"
 Conducted by the Department of Statistics during the
 Year 2016-17


 Head of the Department


IQAC, Co-ordinator
 S.B.Arts & K.C.P.Science College,
 Vijayapur. **Co-Ordinator, IQAC**


 Principal,
 S.B. Arts and KCP Science College
 VIJAYAPUR **Principal**

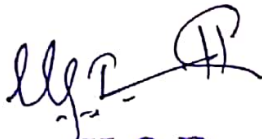
B.L.D.E. A'S

S.B. ARTS & K. C. P. SCIENCE COLLEGE VIJAYAPUR.

DEPARTMENT OF STATISTICS

The Value Added Course Relevance to Main Course

The Value Added Course in our department is on the topic entitled "R-Programming". R is a language used for statistical computations, data analysis and graphical representation of data. R was designed as a statistical platform for data cleaning, analysis and representation. This is useful for the students for their higher studies and also for the carrier in software field.



H.O.D.

Department of Statistics
BLDEA's S. B. Arts & K.C.P.
Sci. College, Vijayapur.



IQAC, Co-ordinator

S.B.Arts & K.C.P.Science College, S.B. Arts and KCP Science College
Vijayapur.



Principal,

S.B. Arts and KCP Science College
VIJAYAPUR