

**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 2017 – 18


B.L.D.E Association's
S.B.Arts and K.C.P. Science College, Vijayapur
Department of Statistics
For the Academic Year: 2017 - 18

NOTICE

Our department is conducting value-added course on R-Programming for B.Sc V sem students. The course is initiated from first week of July 2017. Interested students can enroll their names.


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.


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S.B. Arts and KCP Science College
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Syllabus for B.Sc VALUE ADDED COURSE IN STATISTICS

Fifth Semester

Total hours : 30

R – Programming

Unit 1 : Introduction to R :

4hrs

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

Unit 2 : R – An advanced/overgrown calculator :

5hrs

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

Unit 3 : Diagrams and Graphics with R :

5hrs

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

Unit 4 : Analysis of Variance (ANOVA) :

5hrs

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

Unit 5 : Time Series Analysis using R :

6hrs

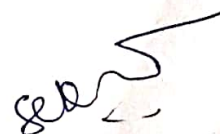
Uses of Time Series Analysis, Analyzing the time series, Decomposing the time series, creating a time series, moving average.



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DEPARTMENT OF STATISTICS: 2017-2018
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

Faculty members :

1. Prof. J.D.Horakeri
2. Prof. Drakshayani Math

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Department of Statistics

STUDENT LIST FOR "VALUE ADDED TRAINING COURSE" 2017-18
Subject : R-Programming Class: BSc V Sem

Sl No	Name	Roll No
1	AKSHAYKUMAR . BIRADAR	27
2	POOJA . HIREMATH	53
3	ANNAPURNA . CHINCHOLI	54
4	HEMAVATI . BIRADAR	56
5	SUPRIYA . PATTAR	57
6	SHRUTI . NANDIKOLMATH	58
7	SUSHMITA . KAGAWAD	59
8	RADHA . KULKARNI	62
9	NISHA . RATHOD	64
10	SAPNA . SHEELIN	120
11	LAXMI . MARANUAR	136
12	RENUKA . HOSAMANI	142
13	MAHADEVI . JANAWAD	147
14	KAILAS . MATHAPATI	162
15	GURURAJ . MUDDEBIHAL	165
16	GIRISH . JHADAV	178
17	MOULASAB . DADED	185
18	SHIVUKUMAR . MATHAPATI	186
19	MALLIKARJUN . HIREMATH	193
20	PRIYANK . MENDAGUDLI	208
21	JYOTI . ALAKUNTE	239
22	MAHANAND . ALLIMORE	240
23	RASHMI . HATTALI	241
24	KAVYA . PATIL	242
25	KASHINATH . TILAGUL	246
26	SAMEER . ARAB	252

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Department of Statistics
For the Academic Year: 2017 - 18

STUDENT ATTENDANCE LIST FOR "VALUE ADDED TRAINING COURSE" 2017-18

Sl No	Name	Roll No	8/5	8/6	12/7	13/7	19/7	20/7	26/7	27/7	02/8	03/8
1	AKSHAYKUMAR . BIRADAR	27	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
2	POOJA . HIREMATH	53	A	PR	PR	PR	PR	PR	PR	PR	PR	PR
3	ANNAPURNA . CHINCHOLI	54	PR	PR	A	PR	PR	PR	PR	PR	PR	PR
4	HEMAVATI . BIRADAR	56	A	PR	PR	PR	A	PR	PR	PR	PR	PR
5	SUPRIYA . PATTAR	57	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
6	SHRUTI . NANDIKOLMATHI	58	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti	Shruti
7	SUSHMITA . KAGAWAD	59	K	K	K	K	K	K	A	K	K	K
8	RADHA . KULKARNI	62	P	P	P	A	P	P	P	P	P	P
9	NISHA . RATHOD	64	nisha	nisha	nisha	nisha	nisha	nisha	nisha	nisha	nisha	nisha
10	SAPNA . SHEELIN	120	A	S	S	S	A	S	S	S	S	S
11	LAXMI . MARANUAR	136	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC
12	RENUKA . HOSAMANI	142	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH
13	MAHADEVI . JANAWAD	147	MJ	MJ	MJ	MJ	MJ	MJ	MJ	MJ	MJ	MJ
14	KAILAS . MATHAPATI	162	A	KH	KH	KH	KH	KH	KH	KH	KH	KH
15	GURURAJ . MUDDEBIHAL	165	GR	GR	GR	GR	GR	GR	GR	GR	GR	GR
16	GIRISH . JHADAV	178	Girish	Girish	Girish	Girish	Girish	A	Girish	Girish	Girish	Girish
17	MOULASAB . DADID	185	MD	MD	MD	MD	MD	MD	MD	MD	MD	MD
18	SHIVUKUMAR . MATHAPATI	186	S.M	A	S.M	S.M	S.M	S.M	S.M	S.M	S.M	S.M
19	MALLIKARJUN . HIREMATH	193	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH
20	PRIYANK . MENDAGUDI	208	A	PM	PM	PM	PM	PM	A	PM	PM	PM
21	JYOTI . ALAKUNTI	239	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti
22	MAHANAND . ALLIMORE	240	A	M.A	M.A	M.A	M.A	M.A	M.A	M.A	M.A	M.A
23	RASHMI . HATTALI	241	R	R	R	R	R	R	R	R	R	R
24	KAVYA . PATIL	242	A	PR	PR	A	PR	PR	PR	PR	PR	PR
25	KASHINATH . TILAGUL	246	TK	TK	TK	TK	TK	TK	A	TK	TK	TK
26	SAMEER . ARAB	252	A	SR	SR	SR	SR	SR	SR	SR	SR	SR

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Department of Statistics
For the Academic Year: 2017 - 18

STUDENT ATTENDANCE LIST FOR "VALUE ADDED TRAINING COURSE" 2017-18

Sl No	Name	Roll No	9/8	10/8	16/8	17/8	23/8	24/8	30/8	31/8	06/9	07/9
1	AKSHAYKUMAR . BIRADAR	27	A	AB	AB	AB	AB	AB	AB	AB	AB	AB
2	POOJA . HIREMATH	53	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH
3	ANNAPURNA . CHINCHOLI	54	AB	AB	AB	AB	A	AB	AB	AB	AB	AB
4	HEMAVATI . BIRADAR	56	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
5	SUPRIYA . PATTAR	57	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
6	SHRUTI . NANDIKOLMATH	58	A	SHRUTI	SHRUTI	A	SHRUTI	SHRUTI	SHRUTI	SHRUTI	SHRUTI	SHRUTI
7	SUSHMITA . KAGAWAD	59	K	K	K	K	K	K	K	K	K	K
8	RADHA . KULKARNI	62	R	R	R	R	R	R	R	R	R	R
9	NISHA . RATHOD	64	NISHA	A	NISHA	NISHA	NISHA	NISHA	NISHA	NISHA	NISHA	NISHA
10	SAPNA . SHEELIN	120	S	S	S	S	A	A	S	S	S	S
11	LAXMI . MARANUAR	136	L	L	L	L	L	L	L	L	L	L
12	RENUKA . HOSAMANI	142	R	R	R	R	A	R	R	R	R	R
13	MAHADEVI . JANAWAD	147	MJ	MJ	MJ	MJ	MJ	MJ	MJ	MJ	MJ	MJ
14	KAILAS . MATHAPATI	162	K	K	K	K	K	K	K	K	K	K
15	GURURAJ . MUDEBHILAL	165	G	A	A	G	G	G	G	G	G	G
16	GIRISH . JHADAV	178	G	G	G	G	G	G	G	A	G	G
17	MOULASAB . DADFD	185	M	M	M	M	M	M	M	M	M	M
18	SHIVKUMAR . MATHAPATI	186	S.M	S.M	S.M	S.M	S.M	S.M	S.M	S.M	S.M	S.M
19	MALLIKARJUN . HIREMATH	193	M	M	A	M	M	M	M	A	M	M
20	PRIYANK . MENDAGUDI	208	P	P	P	P	P	P	P	P	P	P
21	JYOTI . ALAKUNTE	239	J	J	J	A	J	J	J	J	J	J
22	MAHANAND . ALLIMORE	240	M.A	M.A	M.A	A	M.A	M.A	M.A	M.A	M.A	M.A
23	RASHMI . HAITALI	241	R	R	R	A	R	R	R	R	R	R
24	KAVYA . PATIL	242	K	K	K	K	K	K	K	A	K	K
25	KASHINATH . TILAGUL	246	T	A	T	T	T	T	T	T	T	T
26	SAMEER . ARAB	252	S	A	S	S	S	S	S	S	S	S

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STUDENT ATTENDANCE LIST FOR "VALUE ADDED TRAINING COURSE" 2017-18

Sl No	Name	Roll No	13/19	14/19	20/19	21/19	27/19	28/19	02/10	05/10	11/10	22/10
1	AKSHAYKUMAR . BIRADAR	27	AB	AB	AB	AB	AB	A	AB	AB	AB	AB
2	POOJA . HIREMATH	53	PL	PL	PL	A	PL	PL	PL	PL	PL	PL
3	ANNAPURNA . CHINCHOLI	54	PL	PL	A	PL	PL	PL	PL	PL	PL	PL
4	HEMAVATI . BIRADAR	56	PL	PL	PL	PL	PL	PL	PL	PL	PL	PL
5	SUPRIYA . PATTAK	57	PL	PL	PL	PL	PL	PL	PL	PL	PL	PL
6	SHRUTI . NANDIKOLMATH	58	A	shakti	shakti	A	shakti	shakti	shakti	shakti	shakti	shakti
7	SUSHMITA . KAGAWAD	59	*	*	*	*	*	*	*	*	*	*
8	RADHA . MULKARNI	62	PL	PL	PL	PL	PL	PL	PL	PL	PL	PL
9	NISHA . RATHOD	64	A	Nisha	Nisha	Nisha	Nisha	Nisha	Nisha	Nisha	Nisha	Nisha
10	SAPNA . SHEELIN	120	A	SH	SH	SH	SH	SH	SH	SH	SH	SH
11	LAXMI . MARANUAR	136	A	SH	SH	SH	SH	SH	SH	SH	SH	SH
12	RENUKA . HOSAMANI	142	PL	PL	PL	PL	PL	PL	PL	PL	PL	PL
13	MAHADEVI . JANAWAD	147	MJ	MJ	MJ	MJ	MJ	MJ	MJ	A	MJ	MJ
14	KAILAS . MATHAPATI	162	PL	A	PL	PL	PL	PL	PL	PL	PL	PL
15	GURURAJ . MUDEBIHAL	165	PL	SH	PL	PL	A	PL	PL	PL	PL	PL
16	GIRISH . JHADAV	178	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH
17	MOULASAB . DADI D	185	MD	MD	MD	MD	MD	MD	MD	MD	MD	MD
18	SHIVUKUMAR . MATHAPATI	186	S.M	S.M	S.M	S.M	S.M	S.M	A	S.M	S.M	S.M
19	MALLIKARJUN . HIREMATH	193	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH
20	PRIYANK . MENDAGUDLI	208	PL	PL	PL	PL	PL	PL	PL	PL	PL	PL
21	JYOTI . ALAKUNTI	239	Jyoti	Jyoti	Jyoti	Jyoti	A	Jyoti	Jyoti	Jyoti	Jyoti	Jyoti
22	MAHANAND . ALLIMORE	240	M.A	MA	MA	MA	MA	MA	MA	MA	MA	MA
23	RASHMI . HATTALI	241	PL	PL	A	PL	PL	PL	PL	A	PL	PL
24	KAVYA . PATIL	242	PL	PL	PL	PL	PL	PL	PL	PL	PL	PL
25	KASHINATH . TILAGUL	246	TK	TK	TK	A	TK	TK	TK	TK	TK	TK
26	SAMEER . ARAB	252	shrab	A	shrab	shrab	shrab	shrab	shrab	shrab	shrab	shrab

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S.B.Arts and K.C.P. Science College, Vijayapur
Department of Statistics
For the Academic Year : 2017 – 18
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 25-09-2017 . So the students have to attend the Exam at 11 am .


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SBAKCPSC/ BSc V SEM/STATISTICS/ Value Added Course Test 2017-18

Time : 3 Hours

Marks : 60

PART-A

Answer the following questions.

5 X 4 =20

1. What is R script.
2. What are the types of R objects.
3. Mention any two arithmetic operators in R.
4. Mention any two logical operators in R.
What is meant by Vectors.

PART-B

Answer the following questions.

4 X 5 = 20

5. Write the statistical probability functions used in R.
6. Mention the functions which are used to find help in R.
7. Write the built in functions used in R.
8. Write the arguments to plot functions used in R.
9. Write the low level plotting functions used in R.

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.


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Department of Statistics
Result for Value - added course 2017 – 18

Sl No	Name	Roll No	Seat No	Marks for Theory (out of 60)	Marks for Practical (out of 40)	Total Marks	Grade
1	AKSHAYKUMAR BIRADAR	27	S1522017	52	25	77	B
2	POOJA . HIREMATH	53	S1522190	60	30	90	A
3	ANNAPURNA . CHINCHOLI	54	S1522030	55	35	90	A
4	HEMAVATI BIRADAR	56	S1522099	60	38	98	A
5	SUPRIYA . PATIL	57	S1522364	40	33	73	B
6	SHRUTI . NANDIKER MATH	58	S1522327	35	32	67	C
7	SUSHMITA . KAGAWAD	59	S1522371	58	30	88	A
8	RADHA . KULKARNI	62	S1522224	56	38	94	A
9	NISHA . RATHOD	64	S1522181	50	35	85	A
10	SAPNA . SHILIN	120	S1522291	48	40	88	A
11	LAXMI . MARANWAR	136	S1522139	50	38	88	A
12	RENUKA . HOSAVANI	142	S1522252	58	39	97	A
13	MAHADEVI . JANAWAD	147	S1522145	50	38	88	A
14	KAILAS . MATHAPATI	162	S1522165	50	33	83	B
15	GURURAJ . MUDDIBIHAL	165	S1522094	32	35	67	C
16	GIRISH . JHADAV	178	S1522091	48	38	86	A
17	MOULASAB . DADED	185	S1522170	59	38	97	A
18	SHIVUKUMAR . MATHAPATI	186	S1522311	60	32	92	A
19	MALLIKARJUN . HIREMATH	193	S1522156	50	30	80	B
20	PRIYANK . MENDAGUDLI	208	S1522217	57	35	92	A
21	JYOTI . ARAKUNTE	239	S1522108	50	33	83	B
22	MAHANAND . ALLIMORE	240	S1522146	60	35	95	A
23	RASHMI . HATTALI	241	S1522241	56	34	90	A
24	KAVYA . PATIL	242	S1522121	46	25	71	B
25	KASHINATH . TILAGUL	246	S1522381	59	36	95	A
26	SAMEER . ARAB	252	S1522277	48	25	73	B

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



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Internal Quality Assurance Cell Initiative

VALUE ADDED COURSE

Certificate


This is to certify that Mr./Ms. AKSHAYKUMAR BIRADDA

has Completed the Value Added Course on R - Programming

Conducted by the Department of Statistics during the

Year 2017 - 2018


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Internal Quality Assurance Cell Initiative

VALUE ADDED COURSE

Certificate



This is to certify that Mr./Ms. POOJA HIREMATH

has Completed the Value Added Course on R - Programming

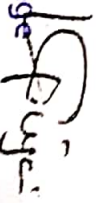
Conducted by the Department of Statisties during the

Year 2017-2018


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This is to certify that Mr./Ms. ANNAPURNA CHINCHOLI

has Completed the Value Added Course on R - Programming


Conducted by the Department of Statistics during the

Year 2017 - 2018


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VALUE ADDED COURSE

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This is to certify that Mr./Ms. Chirugogaj Madalebihal
has Completed the Value Added Course on "R - Programming"
Conducted by the Department of Statistics during the
Year 2017 - 2018


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VALUE ADDED COURSE

Certificate



This is to certify that Mr./Ms. Enrigh Thedlow

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

Conducted by the Department of Statistics during the

Year 2017 - 2018





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Head of the Department


S.B. Arts & K.C.P. Science College,
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DEPARTMENT OF STATISTICS

The Value Added Course Relevance to Main Course

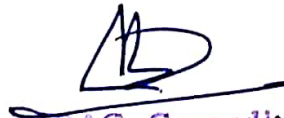
The Value Added Course in our department is on the topic entitled "R-Programming". R is a language used for statistical computations, data analysis and graphical representation of data. R was designed as a statistical platform for data cleaning, analysis and representation. This is useful for the students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

Dr

Dorabai

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,
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