

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 2019 – 20

B.L.D.E Association's  
S.B.Arts and K.C.P. Science College, Vijayapur  
Department of Statistics  
For the Academic Year: 2019 - 20

## 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 2019. Interested students can enroll their names.

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



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# SYLLABUS FOR B.Sc VALUE ADDED COURSE IN STATISTICS

Effective 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.

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B.L.D.E. A'S  
S.B. ARTS & K. C. P. SCIENCE COLLEGE BIJAPUR.  
DEPARTMENT OF STATISTICS: 2019-2020  
Time Table for Value Added Course  
R – Programming

Day	Class	Time
TUESDAY	BSc V	11.00AM to 12.00AM
WEDNESDAY	BSc V	11.00AM to 12.00AM

Faculty member :

1. Prof. Prema.I.Pattanshetti.
2. Prof. R.Y.Madabhavi

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Department of Statistics

For the Academic Year: 2019 – 20

STUDENT LIST FOR "VALUE ADDED TRAINING COURSE" 2019-20  
Subject : R-Programming

Class: BSc V Sem

Sl No	Name	Roll No
1	SAVITA . MALI	38
2	AKSHATA . PATIL	55
3	SHIIPA . PATIL	78
4	KEERTI . KULKARNI	79
5	VANISHRI . DEVOOR	80
6	SHAILA . NAGANOOOR	81
7	AKASH . MIRAGI	89
8	SAVITRI . ATAPALAKAR	101
9	PREETI . SALAWADAGI	102
10	VIDYASHREE . MASHYAL	103
11	SOU MYASHRI . BHATAGUNAKI	106
12	PRASAD . MERWADE	130
13	LAKSHMI . ANDEWADI	131
14	LINGARAJ . MATYAL	144
15	ASHWINI . DESAI	150
16	AKSHATA . BANDI	152
17	SOU MYA . KAKKALAMELI	165
18	SUSHIMA . SATIHAL	167
19	SAHANA . HANDIGANUR	183
20	SUVARNA . PATIL	184
21	BASAVARAJ . TALAWAR	201
22	SUSHMITA . SALAGUNDI	204
23	GANGAPPA . BORUTAGI	267
24	MAHANTESH . AGRANI	268
25	ANILAKUMAR WADED	269
26	SAHANA . HUBLI	299
27	LAXMI . DANGI	300
28	ANJILI . TODKI	308
29	NOORJAHAN . KHAN	309
30	PRABHU . HIREMATHI	312
31	AMIT . DEGADI	313
32	ANKITA . MARATHA	337
33	BHAGYASHREE . KALADAGI	343
34	MINAKSHI . CHIMMAD	344
35	ASHWINI . BADIGER	361

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Sl No	Name	Roll No
36	ANNAPURNA . KATTI	363
37	GEETA . NARASI	364
38	PREETI . KULKARNI	365
39	SANDEEP . GANI	420
40	SAGAR . KARAGUDDI	425
41	ARCHANA . AWATI	434
42	MAHESH . AJUR	444
43	PRIYANKA . VIRAKTAMATH	466
44	SRIRAKSHA . HAMITKHANI	467
45	SUSHMITA . HAMITKHANI	468
46	RESHMA . MULLA	470
47	AISHWARYA . VIBHUTIMATH	471
48	SHRAVAN BIUSANUR	478

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**For the Academic Year: 2019 – 20**

**STUDENT ATTENDANCE LIST FOR "VALUE ADDED TRAINING COURSE" 2019-20**  
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Sl No	Name	Roll No	9/17	10/17	16/17	17/17	23/17	24/17	30/17	31/17	6/18	7/18
1	SAVITA . MALI	38	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS
2	AKSHATA . PATIL	55	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
3	SHILPA . PATIL	78	skp	skp	A	skp	skp	A	A	skp	skp	skp
4	KEERTI . KULKARNI	79	KK	KK	KK	KK	KK	KK	KK	KK	KK	KK
5	VANISHRI . DEVOOR	80	VD	VD	VD	VD	A	A	A	VD	VD	VD
6	SHAILA . NAGANOR	81	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN
7	AKASH . MIRAGI	89	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS
8	SAVITRI . ATAPALAKAR	101	A	A	A	A	A	A	A	A	A	A
9	PREETI . SALAWADAGI	102	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
10	VIDYASHREE . MASHYAL	103	VM	A	A	VM	VM	VM	VM	VM	VM	VM
11	SOUMYASHRI . BHATAGUNAKI	106	SB	SB	SB	SB	A	SB	SB	SB	A	SB
12	PRASAD . MERWADE	130	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
13	LAKSHMI . ANDEWADI	131	HA	A	HA	HA	A	HA	HA	HA	HA	A
14	LINGARAJ . MATYAL	141	LM	LM	LM	LM	LM	LM	LM	LM	LM	LM
15	ASHWINI . DESAI	150	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD
16	AKSHATA . BANDI	152	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
17	SOUMYA . KAKKALAMELI	165	WK	WK	A	WK	A	WK	WK	A	WK	WK
18	SUSHIMA . SATIHAL	167	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
19	SAHANA . HANDIGANUR	183	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH
20	SUVARNA . PATIL	184	S-P	S-P	A	S-P	A	A	SP	SP	SP	SP
21	BASAVARAJ . TALAWAR	201	Talawar	Talawar	Talawar	A	Talawar	A	Talawar	Talawar	A	Talawar
22	SUSHMITA . SALAGUNDI	204	SS	SS	SS	SS	SS	SS	A	SS	SS	SS
23	GANGAPPA . BORUTAGI	267	CB	A	CB	CB	CB	A	CB	A	CB	CB
24	MAHANTESH . AGRANI	268	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA
25	ANILAKUMAR . WADED	269	AN	AN	A	AN	AN	AN	AN	AN	AN	AN
26	SAHANA . HUBLI	299	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH
27	LAXMI . DANGI	300	LD	LD	LD	LD	LD	LD	LD	LD	LD	LD
28	ANJILI . TODKI	308	A	A	A	A	A	A	A	A	A	A

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30	PRABHU . HIREMATH	312	PH	PH	PH	A	PH	PH	A	PH	PH	PH
31	AMIT . DEGADI	313	PH	PH	PH	A	PH	PH	A	PH	PH	PH
32	ANKITA . MARATHA	337	PH	PH	PH	A	PH	PH	A	PH	PH	PH
33	BHAGYASHREE . KALADAGI	343	Bay	Bay	Bay	Bay	A	Bay	Bay	Bay	A	Bay
34	MINAKSHI . CHIMMAD	344	MC	MC	MC	MC	A	MC	MC	MC	A	MC
35	ASHWINI . BADIGER	361	A.B	A.B	A	A.B	A.B	A	A.B	A.B	A.B	A
36	ANNAPURNA . KATTI	363	AB	A	AB	AB	A	AB	AB	AB	AB	AB
37	GEETA . NARASI	364	GT	A	GT	GT	A	GT	GT	GT	GT	GT
38	PREETI . KULKARNI	365	P.K	P.K	A	P.K	A	P.K	A	P.K	P.K	P.K
39	SANDEEP . GANI	420	PK	PK	PK	A	PK	PK	PK	PK	PK	PK
40	SAGAR . KARAGUDDI	425	PK	A	PK	PK	PK	A	PK	PK	PK	PK
41	ARCHANA . AWATI	431	PK	PK	PK	PK	PK	A	PK	PK	PK	PK
42	MAHESH . AJUR	444	M.A	M.A	A	M.A	M.A	M.A	A	M.A	M.A	M.A
43	PRIYANKA . VIRAKTAMATH	466	VW	PK	VW	VW	A	A	VW	VW	VW	VW
44	SRIRAKSHA . HAMITKHANI	467	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH
45	SUSHMITA . HAMITKHANI	468	SH	SH	SH	A	A	SH	SH	SH	SH	SH
46	RESHMA . MULLA	470	RM	RM	A	A	RM	RM	RM	RM	RM	RM
47	AISHWARYA . VIBHUTIMATH	471	A	A	A	A	A	A	A	A	A	A
48	SHRAVAN BHUSANUR	478	S	S	S	A	S	S	A	S	S	S

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1	SAVITA . MALI	38	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
2	AKSHATA . PATHI.	55	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
3	SHILPA . PATIL	78	Shilpa	Shilpa	A	A	Shilpa	Shilpa	Shilpa	Shilpa	Shilpa	Shilpa
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5	VANISHRI . DEVOOR	80	VD	VD	VD	VD	A	A	VD	VD	VD	VD
6	SHAILA . NAGANOR	81	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN
7	AKASH . MIRAGI	89	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM
8	SAVITRI . ATAPALAKAR	101	A	A	A	A	A	A	A	A	A	A
9	PREETI . SALAWADAGI	102	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
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14	LINGARAJ . MATYAL	144	Lcm	Lcm	Lcm	Lcm	Lcm	Lcm	Lcm	Lcm	Lcm	Lcm
15	ASHWINI . DESAI	150	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD
16	AKSHATA . BANDI	152	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
17	SOUMYA . KAKKALAMELI	165	VK	VK	VK	VK	A	VK	VK	VK	VK	VK
18	SUSHMA . SATHAL	167	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
19	SAHANA . HANDIGANUR	183	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH
20	SUVARNA . PATIL	184	SP	SP	SP	SP	SP	A	SP	SP	SP	SP
21	BASAVARAJ . TALAWAR	201	Talawar	Talawar	Talawar	Talawar	Talawar	A	Talawar	Talawar	A	Talawar
22	SUSHMITA . SALAGUNDI	204	A	SS	A	SS	SS	SS	SS	SS	SS	SS
23	GANGAPPA . BORUTAGI	267	CB	CB	A	CB	A	CB	A	CB	A	CB
24	MAHANTESH . AGRANI	268	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA
25	ANILAKUMAR . WADED	269	A	A	A	A	A	A	A	A	A	A
26	SAHANA . HUBLI	299	H	H	H	H	H	H	H	H	H	H
27	LAXMI . DANGI	300	D	D	D	D	D	D	D	D	D	D
28	ANJILI . TODKI	308	A	A	B	B	B	A	A	A	A	B

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29	NOORJAHAN . KHAN	309	N.K	N.K	A	N.K	N.K	N.K	N.K	A	N.K	N.K
30	PRABHU . HIREMATH	312	PH	PH	PH	A	PH	PH	A	PH	PH	A
31	AMIT . DEGADI	313	<del>PH</del>	<del>PH</del>	<del>PH</del>	A	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>
32	ANKITA . MARATHA	337	<del>PH</del>	<del>PH</del>	<del>PH</del>	A	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>
33	BHAGYASHREE . KALADAGI	343	Be	Be	Be	A	Be	A	Be	Be	Be	Be
34	MINAKSHI . CHIMMAD	344	MC	MC	MC	A	MC	MC	MC	MC	MC	MC
35	ASHWINI . BADIGER	361	A.B	A.B	A	A.B	A	A.B	A.B	A	A.B	A.B
36	ANNAPURNA . KATTI	363	AB	AB	A	AB	A	AB	AB	A	A	A
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41	ARCHANA . AWATI	434	PK	PK	A	PK	PK	PK	PK	PK	PK	PK
42	MAHESH . AJUR	444	PK	PK	A	PK	PK	PK	PK	PK	PK	PK
43	PRIYANKA . VIRAKTAMATH	466	PK	PK	A	PK	PK	PK	PK	PK	PK	PK
44	SRIRAKSHA . HAMITKHANI	467	PK	PK	A	PK	PK	PK	PK	PK	PK	PK
45	SUSHMITA . HAMITKHANI	468	PK	PK	A	PK	PK	PK	PK	PK	PK	PK
46	RESHMA . MULLA	470	PK	PK	A	PK	PK	PK	PK	PK	PK	PK
47	AISHWARYA . VIBHUTIMATH	471	PK	PK	A	PK	PK	PK	PK	PK	PK	PK
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2	AKSHATA . PATIL	55	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
3	SHILPA . PATIL	78	shilpa	shilpa	shilpa	shilpa	A	shilpa	shilpa	shilpa	shilpa	shilpa
4	KEERTI . KULKARNI	79	KK	KK	KK	KK	KK	KK	KK	KK	KK	KK
5	VANISHRI . DEVOOR	80	SN	SN	SN	SN	SN	SN	SN	SN	SN	SN
6	SHAILA . NAGANOR	81	SH	SH	SH	SH	A	SH	SH	SH	SH	SH
7	AKASH . MIRAGI	89	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS
8	SAVITRI . ATAPALAKAR	101	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS
9	PREETI . SALAWADAGI	102	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
10	VIDYASHREE . MASHYAI	103	VM	VM	VM	VM	A	A	VM	VM	VM	VM
11	SOUMYASHRI . BIATAGUNAKI	106	BS	A	BS	BS	A	BS	A	BS	BS	BS
12	PRASAD . MERWADE	130	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
13	LAKSHMI . ANDEWADI	131	LA	LA	LA	LA	LA	LA	LA	LA	LA	LA
14	LINGARAJ . MATYAL	144	LM	LM	LM	LM	LM	LM	LM	LM	LM	LM
15	ASHWINI . DESAI	150	AD	AD	AD	AD	AD	AD	AD	AD	AD	AD
16	AKSHATA . BANDI	152	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
17	SOUMYA . KAKKALAMELI	165	K	K	K	K	K	A	K	K	K	K
18	SUSHMA . SATHIAL	167	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
19	SAHANA . HANDIGANUR	183	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH
20	SUVARNA . PATIL	184	S.P	S.P	S.P	S.P	S.P	A	S.P	S.P	S.P	S.P
21	BASAVARAJ . TALAWAR	201	Talwar	Talwar	Talwar	Talwar	Talwar	Talwar	Talwar	Talwar	Talwar	Talwar
22	SUSHMITA . SALAGUNDI	204	SS	SS	SS	SS	SS	A	SS	A	SS	SS
23	GANGAPPA . BORUTAGI	267	A	CB	A	CB	CB	CB	A	CB	CB	CB
24	MAHANTESH . AGRANI	268	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA
25	ANILAKUMAR . WADED	269	A	A	A	A	A	A	A	A	A	A
26	SAHANA . HUBLI	299	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH
27	LAXMI . DANGI	300	LD	LD	LD	LD	LD	LD	LD	LD	LD	LD
28	ANJILI . TODKI	308	A	A	A	A	A	A	A	A	A	A

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29	NOORJAHAN . KHAN	309	N.K	N.K	A	N.K	N.K	N.K	A	N.K	N.K	N.K
30	PRABHU . HIEMATH	312	PH	PH	PH	A	PH	PH	PH	PH	A	PH
31	AMIT . DEGADI	313	<del>PH</del>	<del>PH</del>	<del>PH</del>	A	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>
32	ANKITA . MARATHA	337	<del>PH</del>	<del>PH</del>	<del>PH</del>	A	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>
33	BHAGYASHREE . KALADAGI	343	Boes	Boes	Boes	Boes	Boes	Boes	Boes	Boes	Boes	Boes
34	MINAKSHI . CHIMMAD	344	MC	MC	A	MC	MC	MC	MC	MC	MC	MC
35	ASHWINI . BADIGER	361	A.B	AB	A	AB	AB	A	A.B	AB	A	AB
36	ANNAPURNA . KATTI	363	A	AB	A	AB	AB	A	AB	AB	AB	AB
37	GEETA . NARASI	364	GT	GT	A	GT	GT	A	GT	GT	GT	GT
38	PREETI . KULKARNI	365	P.K	A	P.K	A	P.K	A	P.K	A	P.K	P.K
39	SANDEEP . GANI	420	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>
40	SAGAR . KARAGUDDI	425	(PK)	(SK)	(PK)	A	(SK)	(SK)	(SK)	(SK)	(SK)	(SK)
41	ARCHANA . AWATI	434	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH
42	MAHESH . AJUR	441	M.A	MA	M.A	M.A	M.A	M.A	M.A	M.A	M.A	M.A
43	PRIYANKA . VIRAKTAMATH	466	(PV)	(PV)	(PV)	(PV)	(PV)	(PV)	(PV)	(PV)	(PV)	(PV)
44	SRIRAKSHA . HAMITKHANI	467	SH	SH	SH	SH	SH	SH	SH	SH	SH	SH
45	SUSHMITA . HAMITKHANI	468	SH	SH	SH	A	SH	SH	SH	SH	SH	SH
46	RESHMA . MULLA	470	R.M	R.M	R.M	A	R.M	R.M	R.M	R.M	R.M	R.M
47	AISHWARYA . VIBHUTIMATH	471	<del>PH</del>	<del>PH</del>	<del>PH</del>	A	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>
48	SHRAVAN BHUSANUR	478	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>	<del>PH</del>

*Dorakee*  
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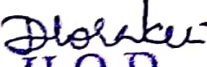
  
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B.L.D.E Association's  
S.B.Arts and K.C.P. Science College, Vijayapur  
Department of Statistics  
For the Academic Year : 2019 – 20  
Value - added course

## 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 17-10-2019 . So the students have  
to attend the Exam at 11 am.

  
H.O.D.  
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SBAKCPSC/ BSc V SEM/STATISTICS/ Value Added Course Test 2019-20

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.

  
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S.B.Arts and K.C.P. Science College, Vijayapur  
Department of Statistics  
Result for Value - added course 2019 – 20

Sl No	Name	Roll No	Marks for Theory (out of 60)	Marks for Practical (out of 40)	Total Marks	Grade
1	SAVITA . MALI	38	51	25	76	B
2	AKSHATA . PATIL	55	55	30	85	A
3	SHILPA . PATIL	78	50	35	85	A
4	KEERTI . KULKARNI	79	45	38	83	B
5	VANISHRI . DEVOOR	80	59	33	92	A
6	SHAILA . NAGANOR	81	59	32	91	A
7	AKASH . MIRAGI	89	57	30	87	A
8	SAVITRI . ATAPALAKAR	101	55	38	93	A
9	PREETI . SALAWADAGI	102	56	35	91	A
10	VIDYASHREE . MASHYAL	103	57	40	97	A
11	SOU MYASHRI . BHATAGUNAKI	106	58	38	96	A
12	PRASAD . MERWADE	130	45	39	84	B
13	LAKSHMI . ANDEWADI	131	45	38	83	B
14	LINGARAJ . MATYAL	144	57	33	90	A
15	ASHWINI . DESAI	150	43	35	78	B
16	AKSHATA . BANDI	152	35	38	73	B
17	SOU MYA . KAKKALAMELI	165	55	38	93	A
18	SUSHMA . SATIHAL	167	55	32	87	A
19	SAHANA . HANDIGANUR	183	36	30	66	C
20	SUVARNA . PATIL	184	46	35	81	B
21	BASAVARAJ . TALAWAR	201	47	33	80	B
22	SUSHMITA . SALAGUNDI	204	48	35	83	B
23	GANGAPPA . BORUTAGI	267	49	34	83	B
24	MAHANTESH . AGRANI	268	46	25	71	B
25	ANILAKUMAR . WADED	269	44	36	80	B
26	SAHANA . HUBLI	299	43	25	68	C

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

*H.O.D.*  
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**Principal,**

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Result for Value - added course 2019 – 20

Sl No	Name	Roll No	Marks for Theory (out of 60)	Marks for Practical (out of 40)	Total Marks	Grade
27	LAXMI . DANGI	300	57	30	87	A
28	ANJILI . TODKI	308	58	35	93	A
29	NOORJAHAN . KHAN	309	35	38	73	B
30	PRABHU . HIRI MATH	312	55	33	88	A
31	AMIT . DEGADI	313	56	32	88	A
32	ANKITA . MARATHA	337	46	30	76	B
33	BHAGYASHREE . KALAFAGI	343	48	38	86	A
34	MINAKSHI . CHIMMAD	344	49	35	84	B
35	ASHWINI . BADIGER	361	59	30	89	A
36	ANNAPURNA . KATTI	363	57	35	92	A
37	GEETA . NARASI	364	53	38	91	A
38	PREETI . KULKARNI	365	39	33	72	B
39	SANDEEP . GANI	420	49	32	81	B
40	SAGAR . KARAGUDDI	425	48	30	78	B
41	ARCHANA . AWATI	434	49	38	87	A
42	MAHESH . AJUR	444	52	35	87	A
43	PRIYANKA . VIRAKTAMATH	466	53	40	93	A
44	SRIRAKSHA . HAMITKHANI	467	56	38	94	A
45	SUSHMITA . HAMITKHANI	468	56	30	86	A
46	RESHMA . MULLA	470	49	35	84	A
47	AISHWARYA . VIBHUTIMATH	471	45	38	83	B
48	SHRAVAN BHUSANUR	478	55	33	88	B

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

*H.O.D.*  
H.O.D.

Department of Statistics  
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Sci. College, Vijayapur.

*IQAC*  
IQAC, Co-ordinator

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Principal,

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## VALUE ADDED COURSE

### Certificate

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

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

Conducted by the Department of Statistics during the

Year 2019-20

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S.B. Arts & K.C.P. Science College,  
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Head of the Department

**Principal,**  
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## VALUE ADDED COURSE

### Certificate



This is to certify that Mr./Ms. Akshata . Patil  
has Completed the Value Added Course on "R - Programming"  
Conducted by the Department of Statistics during the

Year 2019-20

*Akshata*  
Head of the Department  
Vijayapur.

*A*  
IQAC, Co-ordinator

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

*S.S.*  
Principal,  
S.B. Arts and KCP Science College  
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## VALUE ADDED COURSE

### *Certificate*



This is to certify that Mr./Ms. Shilpa Patel  
has Completed the Value Added Course on "P. Programming"  
Conducted by the Department of Statistics during the  
Year 2019-20

*[Signature]*  
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S.B. Arts & K.C.P. Science College  
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*[Signature]*  
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## VALUE ADDED COURSE

### *Certificate*

This is to certify that Mr./Ms. Mahantesh Agani

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

Conducted by the Department of Statistics during the

Year 2019-20

**IQAC, Co-ordinator**

*M. S. K. S.*  
Head of the Department

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

**Principal**

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



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## VALUE ADDED COURSE

### *Certificate*

This is to certify that Mr./Ms. Basavaraj Talawat  
has Completed the Value Added Course on "R- Programming"  
Conducted by the Department of Statistics during the  
Year 2019-20

*[Signature]*  
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S.B. Arts & K.C.P. Science College,  
Head of the Department, Vijapur.

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

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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.

*Doraker*

**H.O.D.**

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