

Date: 28-01-2022

Meeting - I

The department meeting was held on the Principals chamber on 28-01-2022. After discussing with the principal, faculty of departments of physics, chemistry, Computer Sciences, and the students of B.Sc (MPCs), it is resolved to enrich the existing curriculum by initiating a Certificate Course on "Basic Statistics for data Analysis" for the benefit of students in the academic year 2021-2022. A proposal seeking permission to start the course should be submitted to the principal within two days.

Course duration : 30 to 40 days

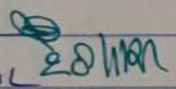
Student Intake : 20 to 30

- Formative Assessment: 15 Marks (Objective)

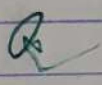
Summative Assessment: 25 Marks (Objective)

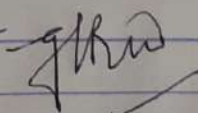
B. Revathi 28/01/2022

COURSE CO-ORDINATOR

PRINCIPAL 
PRINCIPAL

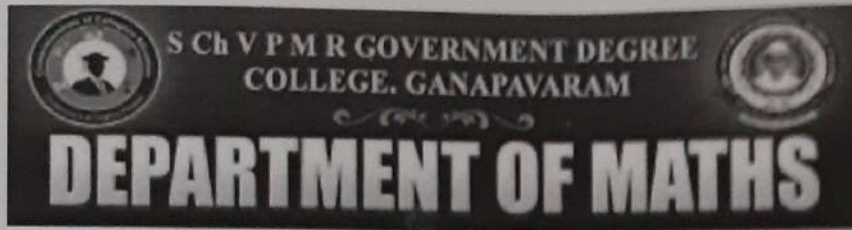
S.CH.V.P.M.R. Govt. Degree College
GANAPAVARAM-534198. (W.G. Dist)

1. Dr. T. AKKI Raju,
Lec in English 

2. Dr. G. Venkata Ramana, Lec in Telugu - 
(Lec in Telugu)

Student Representations:

1. G. Sanjay, I MPCs - G. Sanjay.
2. Sarika. Satya Priyanka, I MPCs - S. Satya Priyanka
3. K. Prasanna Lakshmi, I MPCs - K. Prasanna



Date. 28.01.2022

From

Smt B Revathi
In-charge, Dept. of Mathematics
SCHVPMR Govt. Degree College
Ganapavaram

To

The Principal
SCHVPMR Govt. Degree College
Ganapavaram

Sub: Curriculum Enrichment for 2021-22 - Dept. of Mathematics - proposal for starting a Certificate Course in Basic Statistics for data analysis - Request for permission - Reg.

This is to submit that the Dept. of Mathematics is proposing to start a Certificate Course in "Basic Statistics for data analysis" during the academic year 2021-22 so as to enrich the existing curriculum for the benefit of the students. Hence, this proposal is submitted seeking your permission.

Course duration:	30 to 40 days
Student intake:	20 to 30
Name of Faculty:	Smt B Revathi
Formative Assessment	15 marks (objective type)
Summative Assessment	25 marks (objective type)
Qualifying mark	15

Objectives:

- ❖ To be able to restate an investigate question in terms of statistical model/algorithm.
- ❖ To communicate statistical results clearly to a non - technical audience.
- ❖ Successfully rotate theoretical concepts to real world problems in written report.

B Revathi 28/01/2022
In-charge, Dept. of Mathematics



SRI CHINTALAPATI VARA PRASADA MURTHY RAJU
GOVERNMENT DEGREE COLLEGE

GANAPAVARAM-534 198

ESTD. 1972 • AFFILIATED TO ADIKAVI NANNAYA UNIVERSITY • ACCREDITED NAAC 'B'



Proceedings of the Principal (FAC), SCHVPMR Govt. Degree College, Ganapavaram

Present: Dr M. Syambab, M.Sc., Ph. D.,

Re.No.23/10/CC-21-22

Dated 29.01.2022

Sub: Dept. of Mathematics - Proposal for Certificate Course in Basic Statistics for data analysis for the academic year 2021-22- Permission granted - Orders issued - Reg.

The Principal, SCHVPMR Govt. Degree College, Ganapavaram is pleased to grant permission to launch a Certificate Course in “Basic Statistics for Data analysis” by the Department of Mathematics during the academic year 2021-22. The In-charge, Department of Mathematics is requested to follow the due procedure for conducting the said course and submit a report thereof.

PRINCIPAL
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S.CH.V.P.M.R.Govt.Degree College
GANAPAVARAM-534198. (W.G.Dist)

Circular-I

29.01.2022

Greetings from the department of Mathematics.

All the students of I.B.Sc (MPCs) are informed that the dept. of mathematics of our College is going to start a Certificate Course in "Basic Statistics for data Analysis" from 01.02.2022.

Hence you are suggested to enroll for the course and make use of it. Enrollment forms are available in the department. A copy of Syllabus is enclosed here with

Design of the Course:

Course Name: "Basic Statistics for data Analysis".

Duration : 30-40 days

Intake : 20-30 (F.C.)

Course start date : 01.02.2022 ; Time: 4:30 to 5:30pm

Formative Assessment: 15 Marks (Objective)

Summative Assessment: 25 Marks (MCQ's)

at the end of the course

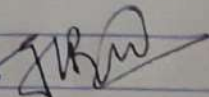
Qualifying marks : 15M.

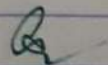
- 75% of attendance is mandatory to give the final test.
- Eligible candidates will be given Course Completion Certificate with grade

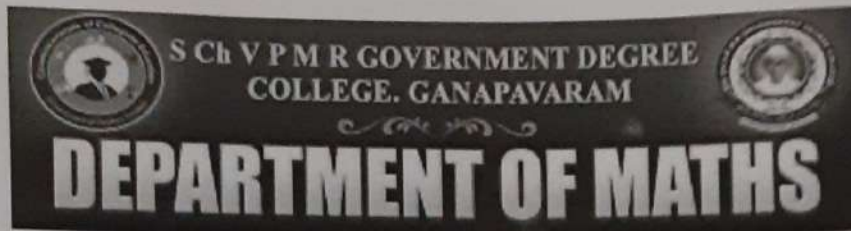
B. Swathi 29/01/2022
Course Co-ordinator

PRINCIPAL 29/1/22
PRINCIPAL

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I.B.Sc (MPCs) - 1. 

2. 



Certificate Course on "Basic Statistics for data analysis"

Academic Year 2021-22


Total Instructional Hours: 30

Syllabus

- Unit 1:** Introduction of statistics, types of data collection. (4 hours)
- Unit 2:** Sources of primary data, limitations of primary data. (5 hours)
- Unit 3:** Sources of secondary data, limitations of secondary data. (5 hours)
- Unit 4:** Mean, Median, Mode, Calculate quartiles, deciles, and percentiles. (8 hours)
- Unit 5:** Quartile deviation and Mean deviation. (8 hours)

B Revathi

Course Coordinator


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Department of Mathematics

Certificate Course on "Basic Statistics for data analysis"

Course Outline

Course Duration	30 to 40 days
Course Fee	Nil
Target Group	B.SC
Student intake	20 to 30 (First Come-First Serve)
Start Date	01.02.2022
No. of Modules	5
Formative Assessment	15 marks (objective type)
Summative Assessment	25 marks (objective type)
Qualifying Mark	15
Name of the Course Coordinator	smt B Revathi

Student Registration Form

Date: 01.02.2022

Name of the Student : A. Satya vara prasad
Admission Number : 6943
Batch : 2021-2022
Year and Program studying : BSc (MPCs)
Semester : 1

A. Satya vara prasad
Signature of the Student

B. Revathi
Signature of the Course Coordinator



SRI CHINTALAPATI VARA PRASADA MURTHY RAJU
GOVERNMENT DEGREE COLLEGE
GANAPAVARAM-834 198



ESTD. 1972 • AFFILIATED TO ADIKAVI NANNAYA UNIVERSITY • ACCREDITED NAAC 'B'

Department of Mathematics

Certificate Course on "Basic Statistics for data analysis"

Course Outline

Course Duration	30 to 40 days
Course Fee	Nil
Target Group	B.SC
Student intake	20 to 30 (First Come-First Serve)
Start Date	01.02.2022
No. of Modules	5
Formative Assessment	15 marks (objective type)
Summative Assessment	25 marks (objective type)
Qualifying Mark	15
Name of the Course Coordinator	smt B Revathi

Student Registration Form

Date: 01/02/2022

Name of the Student : B. shanmukhi priyanka
Admission Number : 6994
Batch : 2021-2022
Year and Program studying : I BSC [MPCS]
Semester : I

B. shanmukhi priyanka
Signature of the Student

B. Revathi
Signature of the Course Coordinator



(Affiliated to Adikavi Nannaya University, Rajamahendravaram, A.P.)

Department of Mathematics

Certificate course on "Basic Statistics for data analysis"

Academic Year: 2021-22

List of Students Enrolled

Sl No.	Admn No.	Class	Name Of The Student	Signature Of The Student
1	6943	I MPCS	A S V Prasad	A.S.V. prasad
2	6944	I MPCS	B S Priyanka	B.shanmukhi Priyanka
3	6945	I MPCS	B Pushpa	B. Pushpa
4	6946	I MPCS	Ch Mounika	ch. Mounika
5	6947	I MPCS	D L Narasimha Raju	D.L.N. Raju
6	6948	I MPCS	D Mahalakshmi	D. Mahalakshmi
7	6949	I MPCS	D Joshna Sri	D. Joshna sri
8	6950	I MPCS	G Sanjay	G. Sanjay
9	6951	I MPCS	G S Appanna	G. Santosh Appanna
10	6952	I MPCS	I Kanakanjali	I-kanakanjali

11	6953	I MPCS	J Ajay	J. Ajay.
12	6954	I MPCS	J Leelanjali	J. Leelanjali
13	6955	I MPCS	K N D Padmarao	K.N.D. Padmarao
14	6956	I MPCS	K S P Varma	K S P varma
15	6957	I MPCS	K Kalyani	K. Kalyani
16	6958	I MPCS	K V Pavan	k. Venkata Pavan
17	6959	I MPCS	K Chandra Jyothi	K. chandra Jyothi
18	6960	I MPCS	K Sai Mahesh	k. Sai Mahesh
19	6961	I MPCS	K P Sai Lakshmi	K. Prasanna
20	6962	I MPCS	K V S Kumar	kvs kumar


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 GANAPAVARAM-534198. (W.G.Dist)

Circular-II

14.02.2022

All the students are informed that formative assessment test in "Basic Statistics for data Analysis" will be conducted on 21.02.2022. Attendance is must.

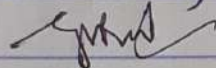

Syllabus is unit I & II in the prescribed Syllabus.

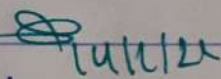
Unit I : Introduction of Statistics, types of data Collection.

Unit II : Sources of Primary data, limitations of Primary data.

B. Ravathi
Course Coordinator



I B.Sc (MPCS):

1. 
2. 


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GANAPAVARAM-534198. (W.G. Dist)

06/25


S Ch V P M R GOVERNMENT DEGREE COLLEGE, GANAPAVARAM


DEPARTMENT OF MATHS

Certificate Course in "Basic Statistics for Data Analysis"
 Formative Assessment Test - 21.02.2021

Max. Marks: 15 Time: 30 minutes

Name of the Student: A. Satya Vora Prasad

Group: IBSc (MPCS)

Admn. No.: 6943

1. Find the variance of the given data sets 7, 47, 8, 42, 47, 95, 42, 96, 3
 a. 1028.78 b. 1018.78 c. 1029.78 d. 1019.78 (C) ✓
2. Find the standard deviation of the given data sets 7, 47, 8, 42, 47, 95, 42, 96, 3
 a. 29.09 b. 30.09 c. 31.09 d. 32.09 (A) X
3. Find the coefficient of variation of the given data sets 7, 47, 8, 42, 47, 95, 42, 96, 3
 a. 72.64 b. 74.62 c. 30.39 d. 78.58 (B) ✓
4. Find the value of λ in Poisson's distribution if the probability of getting a tail in a biased coin toss is $\frac{1}{4}$ when 8 coins are tossed.
 a. 2 b. 3 c. 1 d. 4 (B) X
5. The Mean of a random variable K is given by equation
 a. $E(K)$ b. $(EK)^2$ c. $E^2 - K^2$ d. None of these (A) ✓
6. Find the Mean of a constant k
 a. K b. $k/2$ c. k^2 d. 1 (A) ✓
7. Find the Variance of the constant 'K'
 a. 1 b. 0 c. K^2 d. $K/2$ (C) X
8. Find the variance in a Binomial Distribution, if x, y, and z are the probability of getting success, failure, and a number of trials, respectively.
 a. Xyz b. X^2yz c. xy^2z d. $X^2y^2z^2$ (B) X
9. Poisson distribution is applied for
 a. Regular Random Variable b. Constant time function
 c. Discrete Random Variable d. Irregular Random Variable (C) ✓
10. If $P(1) = \lambda P(2)$ in Poisson's distribution, find the value of mean
 a. 2 b. 5 c. 6 d. 7 (B) X
11. Calculate the mean the given data set: 3, 8, 12, 17, 16, 14, 6, 8, 16, and 10
 a. 11 b. 12 c. 13 d. 14 (C) X
12. Find the mode of the given data set: 5, 8, 12, 17, 12, 12, 6, 8, 12, and 12
 a. 8 b. 5 c. 12 d. 17 (D) X
13. Find the median of the given data set: 5, 8, 12, 17, 2, 14, 6, 8, 13, and 7
 a. 5 b. 2 c. 8 d. 4 (C) ✓
14. If the probability of hitting a target is 0.4, find the mean and variance
 a. 0.6, 0.28 b. 0.6, 0.24 c. 0.8, 0.22 d. 0.8, 0.20 (A) X
15. Find the arithmetic mean of the set of data: 9, 11, 10, 10, 5, 15 and 10
 a. 11 b. 1 c. 10 d. 13 (C) X

12/15

S Ch V P M R GOVERNMENT DEGREE COLLEGE, GANAPAVARAM

DEPARTMENT OF MATHS

Certificate Course in "Basic Statistics for Data Analysis"
Formative Assessment Test - 21.02.2021

Max. Marks: 15 Time: 30 minutes

Name of the Student: B. Shanmukhi Priyanka

Group: I BSc (MPCS)

Admn. No.: 6944

1. Find the variance of the given data sets 7, 47, 8, 42, 47, 95, 42, 96, 3
 a. 1028.78 b. 1018.78 c. 1029.78 d. 1019.78 (c) ✓
 2. Find the standard deviation of the given data sets 7, 47, 8, 42, 47, 95, 42, 96, 3
 a. 29.09 b. 30.09 c. 31.09 d. 32.09 (b) ✗
 3. Find the coefficient of variation of the given data sets 7, 47, 8, 42, 47, 95, 42, 96, 3
 a. 72.64 b. 74.62 c. 30.39 d. 78.58 (b) ✓
 4. Find the value of λ in Poisson's distribution if the probability of getting a tail in a biased coin toss is $\frac{1}{4}$ when 8 coins are tossed.
 a. 2 b. 3 c. 1 d. 4 (a) ✓
 5. The Mean of a random variable K is given by equation
 a. $E(K)$ b. $(EK)^2$ c. $E^2 - K^2$ d. None of these (a) ✓
 6. Find the Mean of a constant k
 a. K b. $k/2$ c. k^2 d. 1 (a) ✓
 7. Find the Variance of the constant 'K'
 a. 1 b. 0 c. K^2 d. $K/2$ (c) ✗
 8. Find the variance in a Binomial Distribution, if x, y, and z are the probability of getting success, failure, and a number of trials, respectively.
 a. xyz b. X^2yz c. xy^2z d. $X^2y^2z^2$ (a) ✓
 9. Poisson distribution is applied for
 a. Regular Random Variable b. Constant time function
 c. Discrete Random Variable d. Irregular Random Variable (c) ✓
 10. If $P(1) = \lambda P(2)$ in Poisson's distribution, find the value of mean
 a. 2 b. 5 c. 6 d. 7 (a) ✓
 11. Calculate the mean the given data set: 3, 8, 12, 17, 16, 14, 6, 8, 16, and 10
 a. 11 b. 12 c. 13 d. 14 (a) ✓
 12. Find the mode of the given data set: 5, 8, 12, 17, 12, 12, 6, 8, 12, and 12
 a. 8 b. 5 c. 12 d. 17 (a) ✓
 13. Find the median of the given data set: 5, 8, 12, 17, 2, 14, 6, 8, 13, and 7
 a. 5 b. 2 c. 8 d. 4 (c) ✓
 14. If the probability of hitting a target is 0.4, find the mean and variance
 a. 0.6, 0.28 b. 0.6, 0.24 c. 0.8, 0.22 d. 0.8, 0.20 (c) ✓
 15. Find the arithmetic mean of the set of data: 9, 11, 10, 10, 5, 15 and 10
 a. 11 b. 1 c. 10 d. 13 (b) ✓
- *****
- (a) ✗

Circular - III



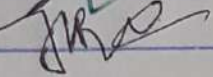
23.03.2022

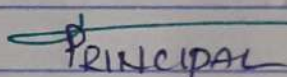
Dear Students,

Instruction for Certificate Course on "Basic Statistics for data analysis" will be concluded today i.e., 23.03.2022. A Summative test will be conducted on 28.03.2022 covering the entire syllabus. It is informed that students with less than 75% of attendance will not be allowed to write the exam. The qualifying marks will be 15M.

B. Divathi 23/03/2022
Course Coordinator

I B.Sc (MPCS)

- 1. 
- 2. 
- 3. 


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 S.CH.V.P.M.R. Govt. Degree College
 GANAPAVARAM-534198. (V.G. Dist)

March 2022

Pupils Attendance Register

1	2	3	4	5
అధ్యయన సంవత్సరం	సం. సం.	పేరు	మొదలు	1 2 3 4 5 6 7 8 9 10 11 12 13
6943	1	A. Satya Vra Prasad	P	a P P P P P P a P
6944	2	B. Shanmuka Priyanka	a	P P P P P P P P P
6945	3	B. Pushpa	P	P P P P P a P P
6946	4	Ch. Mounika	P	P a P P P P P a
6947	5	D.L. Narasimha Raju	P	P P P P P P P P a
6948	6	D. Mahalakshmi	P	P P P P P P P P a
6949	7	D. Jashna Sri	P	P P P P P P P P P
6950	8	G. Sanjay	P	P P P P P P P P P
6951	9	G. Santhosh Appanna	P	P a P P P P P P P
6952	10	I. Karakanjali	P	P P P P P P P P P
6953	11	J. Ajay	P	P P P P a P P a
6954	12	J. Leela Anjali	P	P P P P P P P P P
6955	13	K.N.D. Padma Rao	P	P P P P P P P P P
6956	14	K.S. Pradeep Varma	P	a a a P a P a a
6957	15	K. Kalyani	a	P P P P P P P P P
6958	16	K. Venkata Pavan	P	P P P P P P P P P
6959	17	K. Chandra Jyothi	P	P P P P a P P P P
6960	18	K. Sai Mahesh	a	P P P P P P a P P
6961	19	K. Prasanna Sai Lakshmi	P	P P P P P P P P P
6962	20	K.V.S. Kumar.	P	a P P P P P P P P

Median
mode
Calculate quartiles
Calculate deciles
Calculate Percentiles
Problems on measures
Problems on quartiles
Quartile Deviation
Problems A

అధ్యయన సంవత్సరం : బాలుడు _____ బాలికలు _____
 ఉపాధ్యాయుని పేరు _____
 సమీక్షించిన వారు : బాలుడు _____ బాలికలు _____
 ఉపాధ్యాయుని పేరు _____

పిల్లల హాజరుపట్టి

14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	6	7	8	9
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	17	17	17
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	13	27	79%	A. satya vbra prasad
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	15	32	94%	B. shanmukhi priyanka
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	15	31	91%	B. Pushpa
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14	31	91%	Ch. Mounika
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	15	30	88%	D.L.N. Raju
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	15	32	94%	D. Mahalakshmi
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	19	33	97%	D. Jashna Sri.
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	17	34	100%	G. Sanjay
a	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	15	26	76%	G. Santhosh Appanna
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	18	33	97%	I. Karakanjali
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	18	30	88%	J. Ajay
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	16	29	85%	J. Leelanjali
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	19	31	91%	K.N.P. Padmarao
a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	02	08	235%	K. Kalyani
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	16	29	85%	K. Venkata Pavan
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	15	30	88%	K. Chandra Jyothi
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	18	26	76%	K. Sai Mahesh
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	17	34	100%	K. Prasanna
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	15	29	85%	K.V.S. Kumar

Mean deviation
Problems on Mode
U-1 Problems
U-2 Problems
U-3 Problems
U-4 Problems
U-5 Problems
Overall review

Summative Assessment

B. Revathi 23/08/21
Course Coordinator

అధ్యయన సంవత్సరం : బాలుడు _____ బాలికలు _____
 ఉపాధ్యాయుని పేరు _____
 సమీక్షించిన వారు : బాలుడు _____ బాలికలు _____
 ఉపాధ్యాయుని పేరు _____
 PRINCIPAL
 S.Ch.V.P.M.R. Govt. Degree College
 GANAPAVARAM-534198. (W.G. Dist)

12/25

S Ch V P M R GOVERNMENT DEGREE COLLEGE, GANAPAVARAM

DEPARTMENT OF MATHS

Certificate Course in "Basic Statistics for Data Analysis"
 Summative Assessment Test at the End of the Course - 28.03.2022 Max. Marks: 25 Time: 50 minutes

Name of the Student: A. Satya Jara Prasad
 Group: IBSc (MPCs)
 Admn. No.: 6943

Answer all the following (25 X 1 = 25)

1. The runs scored by a batsman in 5 ODIs are 31, 97, 112, 63, and 12. The standard deviation is
 a. 24.79 b. 23.79 c. 25.79 d. 26.79 (A) X
2. Find the mode of the call received on 7 consecutive day 11, 13, 13, 17, 19, 23, 25
 a. 11 b. 13 c. 17 d. 23 (B) ✓
3. Find the median of the call received on 7 consecutive days 11, 13, 17, 13, 23, 25, 19
 a. 13 b. 23 c. 25 d. 17 (B) X
4. Find the mode and median of the 9 consecutive number 12, 7, 8, 14, 21, 23, 27, 7, 11
 a. 12, 9 b. 7, 9 c. 7, 12 d. 11, 9 (C) ✓
5. When the Mean of a number is 18, what is the Mean of the sampling distribution?
 a. 21 b. 18 c. 27 d. 23 (A) X
6. If the probability of hitting an object is 0.8, find the variance
 a. 0.18 b. 0.16 c. 0.14 d. 0.12 (A) X
7. If the probability that an object dropped from a certain height will strike the ground is 80 percent and if 12 objects are dropped from the same place, find the mean and variance.
 a. 9.6, 1.92 b. 8.6, 1.92 c. 9.6, 1.82 d. 8.6, 1.82 (A) ✓
8. Find the mean of tossing 4 coins
 a. 1 b. 2 c. 3 d. 4 (C) X
9. Variance of a constant 'x' is
 a. 0 b. $x/2$ c. x d. 1 (D) X
10. $E(X) = \lambda$ is used for which distribution?
 a. Binomial distribution b. Poisson's distribution
 c. Bernoulli's distribution d. Laplace distribution (B) ✓
11. The Mean of a constant 'x' is
 a. 0 b. $x/2$ c. x d. 1 (C) X
12. If $P(x) = 0.8$ and $x = 3$, then find the value of $E(x)$
 a. 2.6 b. 2.8 c. 2.2 d. 2.4 (C) X
13. If $P(1) = P(2)$ in Poisson's distribution, find the value of mean
 a. $\sqrt{2}$
 b. $\sqrt{3}$
 c. $\sqrt{5}$
 d. $\sqrt{7}$ (D) ✓
14. If $P(1) = \lambda P(5)$ in Poisson's distribution, find the value of mean
 a. 33.81 b. 63.81 c. 53.81 d. 43.81 (B) X
15. Find the expectation of a random variable a?

a	0	1	2	3	4
F(a)	1/7	2/7	3/7	4/7	5/7

- a. 5.71 b. 4.71 c. 6.71 d. 8.71
16. If K is the Mean of Poisson distribution, then the variance is given by (B) ✓
a. $K/2$ b. K c. K^2 d. $K^{1/2}$ (A) ✓
17. If K is the Mean of Poisson distribution, then the standard deviation is given by
a. \sqrt{k} b. K^2 c. K d. $k/2$ (D) ✗
18. Find the arithmetic mean of the set of data: 6,1,5,8, and 10
a. 4 b. 5 c. 6 d. 7 (C) ✓
19. Calculate the geometric Mean of 1,3,9,3
a. 1 b. 2 c. 3 d. 4 (A) ✗
20. Find the variance of the given data set: 3,9,5,6,7
a. 1 b. 2 c. 3 d. 4 (D) ✓
21. Find the mean, mode and median of the given sets of data: 5,8,12, 17,12,14,6,8, 12, and 10
a. 11,12,10 b. 10,12,13 c. 11,12,13 d. 10,12,11 (C) ✗
22. Find the mean mode and median of the messages received on 7 consecutive days 7, 13,5,9,6,5,10
a. 7,8,9 b. 8,9,9 c. 8,8,9 d. 6,8,9 (D) ✗
23. Calculate the range of the given sets of data 7,47,8, 42,47,95,42,96,2
a. 6 b. 94 c. 71 d. 84 (B) ✓
24. Find the mean deviation according to the Mean of the given data sets 7, 47,8,42,47,95,42,96,3
a. 11 b. 111 c. 112 d. 113 (B) ✓
25. Find the mean deviation according to median of the given data sets 7, 47,8,42,47,95,42,96,3
a. 99 b. 100 c. 101 d. 102 (C) ✓

a	0	1	2	3	4
F(a)	1/7	2/7	3/7	4/7	5/7

- a. 5.71 b. 4.71 c. 6.71 d. 8.71
16. If K is the Mean of Poisson distribution, then the variance is given by (0) ✓
- a. $K/2$ b. K c. K^2 d. $K^{1/2}$ (a) ✗
17. If K is the Mean of Poisson distribution, then the standard deviation is given by (a) ✓
- a. \sqrt{k} b. K^2 c. K d. $k/2$
18. Find the arithmetic mean of the set of data: 6, 1, 5, 8, and 10 (a) ✓
- a. 4 b. 5 c. 6 d. 7
19. Calculate the geometric Mean of 1, 3, 9, 3 (c) ✓
- a. 1 b. 2 c. 3 d. 4
20. Find the variance of the given data set: 3, 9, 5, 6, 7 (c) ✓
- a. 1 b. 2 c. 3 d. 4
21. Find the mean, mode and median of the given sets of data: 5, 8, 12, 17, 12, 14, 6, 8, 12, and 10 (d) ✓
- a. 11, 12, 10 b. 10, 12, 13 c. 11, 12, 13 d. 10, 12, 11
- (d) ✓
22. Find the mean mode and median of the messages received on 7 consecutive days 7, 13, 5, 9, 6, 5, 10 (d) ✓
- a. 7, 8, 9 b. 8, 9, 9 c. 8, 8, 9 d. 6, 8, 9
- (d) ✓
23. Calculate the range of the given sets of data 7, 47, 8, 42, 47, 95, 42, 96, 2 (b) ✓
- a. 6 b. 94 c. 71 d. 84
- (b) ✓
24. Find the mean deviation according to the Mean of the given data sets 7, 47, 8, 42, 47, 95, 42, 96, 3 (b) ✓
- a. 11 b. 111 c. 112 d. 113
- (b) ✓
25. Find the mean deviation according to median of the given data sets 7, 47, 8, 42, 47, 95, 42, 96, 3 (c) ✓
- a. 99 b. 100 c. 101 d. 102
- (c) ✓



(Affiliated to Adikavi Nannaya University, Rajamahendravaram, A.P.)

Department of Mathematics
Certificate course on "Basic Statistics for data analysis"
Academic Year: 2021-22

RESULT SHEET

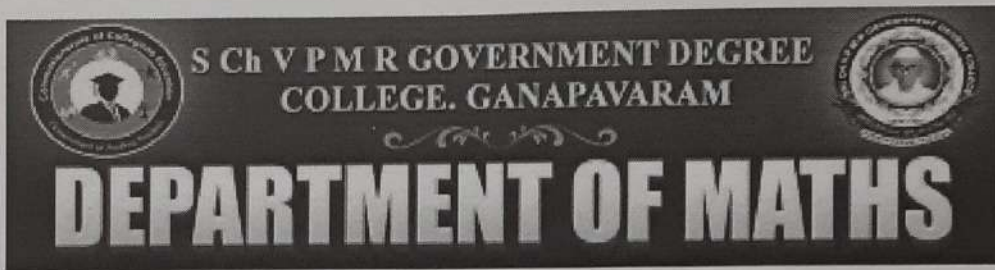
Sl. No.	Admn. No.	Class	Name of the Student	FA	SA	Total	Grade	Signature of the Student
				Marks	Marks			
				15	25	40		
1	6943	I MPCS	A S V PRASAD	06	12	18	D	A.S.V Prasad
2	6944	I MPCS	B S PRIYANKA	12	21	33	A	B. Shanmukhi Priyanka
3	6945	I MPCS	B PUSHPA	11	20	31	A	B. Pushpa
4	6946	I MPCS	MOUNIKA	10	22	32	A	ch. Mounika
5	6947	I MPCS	D L N RAJU	09	18	27	B	D.L.N. Raju
6	6948	I MPCS	D MAHALAKSHMI	13	17	30	B	D. Mahalakshmi
7	6949	I MPCS	D JOSHNA SRI	13	19	32	A	D. Joshna Sri
8	6950	I MPCS	G SANJAY	13	24	37	A	G. Sanjay
9	6951	I MPCS	G SANTOSH APPANNA	09	12	21	C	G. Santosh Appanna
10	6952	I MPCS	I KANAKANJALI	11	13	24	C	I Kanakanjali
11	6953	I MPCS	J AJAY	10	12	22	C	J. Ajay
12	6954	I MPCS	J LEELANJALI	11	16	27	B	J. Leelanjali
13	6955	I MPCS	K N D PADMARAO	12	20	32	A	K.N.P Padmarao
14	6956	I MPCS	K S PRADEEP VARMA	ABSENT				
15	6957	I MPCS	K KALYANI	12	18	30	B	K. KALYANI
16	6958	I MPCS	K VENKATA PAVAN	09	15	24	C	K. Venkata Pavan
17	6959	I MPCS	K CHANDRA JYOTHI	09	14	23	C	K. chandra Jyothi
18	6960	I MPCS	K SAI MAHESH	07	12	19	D	K. Sai Mahesh.
19	6961	I MPCS	K P SAI LAKSHMI	13	21	34	A	K. Prasanna
20	6962	I MPCS	K V S KUMAR	10	12	22	C	KVS kumar

Grade: > 30 - A, 26 to 30 - B, 21 to 25 - C, 15 to 20 - D, < 15 Fail

B. Revathi
B Revathi
Course Coordinator

PRINCIPAL

S.CH.V.P.M.R. Govt. Degree College
GANAPAVARAM-534198. (W.G. Dis.)



Certificate Course on “Basic Statistics for data analysis”

Report

Course started on 1st February 2022 with a target to give basic Statistical knowledge to students. Twenty students from I B.Sc joined and nineteen students completed the course successfully. This course covered basic statistics for data analysis concepts like the definition of statistics, types of statistics, types of data collection, sources and limitations of primary data, sources and limitations of secondary data, calculation of mean, median, mode, quartiles, deciles, and percentiles, quartile deviation and mean deviation. Finally, the course succeeds in making students analyze the data statistically.

Learning Outcomes

- ❖ Students will formulate complete, concise, and correct mathematical proofs.
- ❖ Students will communicate quantitative ideas both orally and writing to a range of audience.
- ❖ Students will create quantitative models to solve real world problems in appropriate contexts.

B. Revathi

B. Revathi

Course Coordinator

[Signature]
PRINCIPAL

S.CH.V.P.M.R.Govt.Degree College
GANAPAVARAM-534198. (W.G.Dist)



SRI CHINTALAPATI VARA PRASADA MURTHY RAJU
GOVERNMENT DEGREE COLLEGE

GANAPAVARAM-534 198

ESTD. 1972 • AFFILIATED TO ADIKAVI NANNAYA UNIVERSITY • ACCREDITED NAAC 'B'



CERTIFICATE

This is to certify that

KOTTE VENKATA SATYANARAYANA KUMAR, I MPCS (Admission No. 6962)

of

SCHVPMR GOVERNMENT DEGREE COLLEGE, WEST GODAVARI, ANDHRA PRADESH

Has successfully completed the certificate course in “BASIC STATISTICS FOR DATA ANALYSIS” conducted from 01 February to 23 March, 2022 offered by the Department of MATHEMATICS with grade “C”.

B. Revathi

B. Revathi

Course Coordinator

Dr T. Akki Raju

Dr T. Akki Raju

IQAC Coordinator

Dr M. Syambab

Dr M. Syambab

Principal



SRI CHINTALAPATI VARA PRASADA MURTHY RAJU
GOVERNMENT DEGREE COLLEGE

GANAPAVARAM-534 198

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CERTIFICATE

This is to certify that

KONISETTI PRASANNA SAI LAKSHMI, I MPCS (Admission No. 6961)

of

SCHVPMR GOVERNMENT DEGREE COLLEGE, WEST GODAVARI, ANDHRA PRADESH

Has successfully completed the certificate course in “BASIC STATISTICS FOR DATA ANALYSIS” conducted from 01 February to 23 March, 2022 offered by the Department of MATHEMATICS with grade “A”.

B. Revathi

B. Revathi

Course Coordinator

Dr T. Akki Raju

Dr T. Akki Raju

IQAC Coordinator

Dr M. Syambab

Dr M. Syambab

Principal