Sree Narayana College, Kollam

2021-2022

Department of Mathematics

Certificate Course Syllabus

Title of the Course: Data Analysis using Microsoft Excel

Contact Hours: 30 hr [15(T) + 15(P)]

Module 1 : Charts and Diagrams (5 hr)

1. Bar diagrams

   1.1 Methods for drawing different bar diagrams using Excel tools.

2. Pie diagrams and Scatter diagram

   2.1 Methods for drawing diagrams using Excel tools.

3. Histogram

   3.1 Methods to install Data analysis tool pack in Excel.

   3.2 Methods to construct frequency tables in Excel.

   3.3 Methods for drawing Histogram using Data analysis functions.

Module 2 : Descriptive Statistics (4hr)

1. Mean, Median, Mode

   1.1 Methods to find Mean, Median, Mode using Data analysis in Excel.

Module 3 : Correlation and Regression (3hr)

1. Correlation

   1.1 Methods for finding correlation using Data analysis tool pack.

Principal
Sree Narayana College
Kollam

SREENARAYANA COLLEGE • KOLLAM

2. Regression

2.1 Methods to find regression using Data analysis tool pack.

Module 4: ANOVA (3hr)

1. One way ANOVA

1.1 Methods for finding ANOVA single factor (one way ANOVA).

1.2 Result analysis for One way ANOVA.

2. Two way ANOVA

2.1 Methods to find two way ANOVA with and without replications.

2.2 Result analysis for two way ANOVA.

REFERENCES

1. Dan Remenyi, George Onofrei, Joe English (2010). *An Introduction to Statistics Using Microsoft Excel*. Academic Publishing Ltd., UK

2. Neil J Salkind (2010). *Excel Statistics, A Quick Guide*. SAGE Publication Inc. New Delhi

3.Vijai Gupta (2002). *Statistical Analysis with Excel*. VJ Books Inc. Canada

Department of Mathematics SN College Kollam		
Certificate course :-Data Analysis Using Microsoft Excel 2021-2022		
List of Members of Board of Studies		
Name	Designation	Position held
Ravivarma B	Assistant Professor, S.N. College, Kollam	Chairman
Kuleena Das	Assistant Professor, S.N. College, Kollam	Member
Vivek PV	Assistant Professor, S.N. College, Kollam	Member
Midhun S	Assistant Professor, S.N. College, Kollam	Member
Niza N	Assistant Professor, T.K.M. College, Kollam	Member
Harilal N Thazhikkattuzeril	Assistant Professor, T.K.M. College, Kollam	Member
Midhun S	Assistant Professor, T.K.M. College, Kollam	Member
Miithun A T	Assistant Professor, T.K.M. College, Kollam	Member
Dr.Akhila .R	Assistant Professor, T.K.M. College, Kollam	Member

SREE NARAYANA COLLEGE, KOLLAM

(Affiliated to the university of kerala , Reaccredited by NAAC with 'A' grade, Atal ranking : A Band)

College - level certificate course on "Data analysis using Microsoft Excel"

Department of Mathematics (2021 - 22)

we are the sharpers of great minds and honourable values.

Contact : Ravivarma B

Contact no : 9496107224

NOTICE

A meeting of the certificate course Board of studies members will be held on 19/11/2021 at 1.30pm in computer lab, Department of mathematics. All the members are requested to attend the meeting without fail.

Agenda:

1.Commencement of certificate course

Copy to all members

S.N .College,Kollam

18/11/2022

HOD

Chairman

NOTICE

A meeting of the certificate course Board of studies members will be held on 08 /06/2022 at 1.30pm in computer lab, Department of mathematics. All the members are requested to attend the meeting without fail.

Agenda:

1. Publishing results of certificate course

Copy to all members

S.N .College,Kollam

07/06/2022

HOD

Chairman.

CERTIFICATE COURSE STUDENTS APPLIED LIST 2021-2022

SL.NO	NAME	DEPARTMENT
1	Drisya Krishna T.S	MSc Botany
2	Vignesh K	Bsc Mathematics
3	Fathima S	Bsc PCA
4	Devika G Kumar	PCA
5	Alfiya S	PCA
6	Ajil A	Mathematics
7	Krishna S.R	Bsc PCA
8	AMRITHA V J	Msc Physics
9	ARYA CHANDRAN.S	MSc Physics
10	Krishna A S	Msc. Physics
11	Nila S Dinakar	PCA
12	Ajmal N	Bsc mathematics
13	Bilal j	Bsc mathematics
14	Anandhu.V.Nath	Zoology
15	Subil.S	Mathematics
16	ANANDHU KRISHNAN U J	MSc Physics
17	Vignesh K	Bsc MATHEMATICS
18	Anuvind K K	MSc Physics
19	SNEHA. R. P	Msc physics
20	Jothi Lakshmi	Msc physics
21	Sooraj s	Zoology
22	Ananthu S	BSc Mathematics
23	ADITHYA. S	1st Msc physics
24	Devavani. V	Physics
25	Gayathri PS	1st Msc physics
26	Josna George	1st Msc physics
27	Ramya R krishnan	1st Msc physics

7.biodata students

Student details Certificate Course Data Analysis using microsoft Excel...2021-2022

Sl no	Name	Candidate Code	Course	Address	Mobile Number	Email ID
1	Drisya Krishna T.S	24719101629	MSc Botany	KARTHIKEYAM KUMMALLOOR P.O KAITHAKUZHY KOLLAM	99613 01733	drisyakrishnats@gmail.com
2	Vignesh K	22019132021	Bsc Mathematics	Sreemangalam Edatharapana Elamadu P.O Ayoor kollam	9496477765	kannaneld@gmail.com
3	Fathima S	2201010131	Bsc PCA	Charuvila veedu ,punthalathazham ,pallavi nagar 34 ,kilikollur ,po kollam	8301838268	fathimathahira26@gmail.com
4	Devika G Kumar	32820132031	PCA	Chittazhikathu veedu thevalapuram po puthoor kottarakkara	9188203083	devikagkumar701@gmail.com
5	Alfiya S	220101025	PCA	kavuvila veedu chalacode punalur po punalur	8089850010	alfiyashamsudeenplr@gmail.com
6	Ajil A	22019132024	Mathematics	Ajithbhavan Maru north alumkadavu P O Karunagappally	6238222713	ajilcrazy43250@gmail.com
7	Krishna S.R	220101034	Bsc PCA	Sivakripa Karamcode PO Varinjam	8921925692	krishnaskumar2003@gmail.com
8	AMRITHA V J	63021132005	Msc Physics	Jayalekshmi, Karingannoor, Karingannoor P.O, Kollam, 691516	6282437775	amrithavj47@gmail.com
9	ARYA CHANDRAN.S	63021132011	MSc Physics	Chandrahasa Vilasam, Vilackadu, Madavoor Pallickal (P.O) Thiruvananthapuram.695602	7034430178	aryachandran069@gmail.com
10	Krishna A S	63021132019	Msc. Physics	Krishnagatha, Nallila. P. O	7510746178	krishnaanilasalim@gmail.com

7.biodata students

21	Sooraj s	25019132020	Zoology	Chothi Madapally Mukundapuram P. O chavara 691585	8078029114 soorajsabu16008@gmail.com
22	Ananthu S	22019132031	BSc Mathematics	Vyshnavi Venpalakkara Koottikkada P O Kollam 691020	8921333701 syamananthus@gmail.com
23	ADITHYA. S	63021132001	1st Msc physics	Naluvilayl Edavanasserry mynagappally	9746123878 adithybabu9@gmail.com
24	Devavani. V	63021132015	Physics	Devanjaneyam, vengara, thodiyoor, north(p. O) karunagappally	9072945013 devavani26@gmail.com
25	Gayathri PS	63021132016	1st Msc physics	Vaddakkae veedu, kappil, edava , varkala	7593938241 gaythrips2414@gmail.com
26	Josna George	63021132017	1st Msc physics	Josena cottage, Vadakkum bagam,iravipuram PO,Kollam	7736309763 josenageorge120@gmail.com
27	Ramya R krishnan	63021132021	1st Msc physics	Mathiseeri padinjattethil, vadakkekara, ashtamudi, kollam	7594953149 remyakrishnankrishnan@gmail.com

CERTIFICATE COURSE STUDENTS SELECTION LIST 2021-2022

SL.NO	NAME	DEPARTMENT
1	Drisya Krishna T.S	MSc Botany
2	Vignesh K	Bsc Mathematics
3	Fathima S	Bsc PCA
4	Devika G Kumar	PCA
5	Alfiya S	PCA
6	Ajil A	Mathematics
7	Krishna S.R	Bsc PCA
8	AMRITHA V J	Msc Physics
9	ARYA CHANDRAN.S	MSc Physics
10	Krishna A S	Msc. Physics
11	Nila S Dinakar	PCA
12	Ajmal N	Bsc mathematics
13	Bilal j	Bsc mathematics
14	Anandhu.V.Nath	Zoology
15	Subil.S	Mathematics
16	ANANDHU KRISHNAN U J	MSc Physics
17	Vignesh K	Bsc MATHEMATICS
18	Anuvind K K	MSc Physics
19	SNEHA. R. P	Msc physics
20	Jothi Lakshmi	Msc physics
21	Sooraj s	Zoology
22	Ananthu S	BSc Mathematics
23	ADITHYA. S	1st Msc physics
24	Devavani. V	Physics
25	Gayathri PS	1st Msc physics
26	Josna George	1st Msc physics
27	Ramya R krishnan	1st Msc physics

CERTIFICATE COURSE STUDENTS PASSED LIST 2021-2022

SL.NO	NAME	DEPARTMENT
1	Drisya Krishna T.S	MSc Botany
2	Vignesh K	Bsc Mathematics
3	Fathima S	Bsc PCA
4	Devika G Kumar	PCA
5	Alfiya S	PCA
6	Ajil A	Mathematics
7	Krishna S.R	Bsc PCA
8	AMRITHA V J	Msc Physics
9	ARYA CHANDRAN.S	MSc Physics
10	Krishna A S	Msc. Physics
11	Nila S Dinakar	PCA
12	Ajmal N	Bsc mathematics
13	Bilal j	Bsc mathematics
14	Anandhu.V.Nath	Zoology
15	Subil.S	Mathematics
16	ANANDHU KRISHNAN U J	MSc Physics
17	Vignesh K	Bsc MATHEMATICS
18	Anuvind K K	MSc Physics
19	SNEHA. R. P	Msc physics
20	Jothi Lakshmi	Msc physics
21	Sooraj s	Zoology
22	Ananthu S	BSc Mathematics
23	ADITHYA. S	1st Msc physics
24	Devavani. V	Physics
25	Gayathri PS	1st Msc physics
26	Josna George	1st Msc physics
27	Ramya R krishnan	1st Msc physics

SREE NARAYANA COLLEGE

KOLLAM

DEPARTMENT OF MATHEMATICS

CERTIFICATE COURSE (2021-2022)

DATA ANALYSIS USING MICROSOFT EXCEL

LIST OF TEACHERS HANDLING THE COURSE

1.ANUJA.S (Guest lecturer , Department of mathematics)

CERTIFICATE COURSE STUDENTS MARKLIST 2021-2022					
SI.NO	NAME	DEPARTMENT	TOTAL MARKS	MARKS OBTAINED	Passed/failed
1	Drisya Krishna T.S	MSc Botany	50	50	passed
2	Vignesh K	Bsc MathS	50	50	passed
3	Fathima S	Bsc PCA	50	50	passed
4	Devika G Kumar	PCA	50	49	passed
5	Alfiya S	PCA	50	50	passed
6	Ajil A	Mathematics	50	49	passed
7	Krishna S.R	Bsc PCA	50	50	passed
8	AMRITHA V J	Msc Physics	50	50	passed
9	ARYA CHANDRAN.S	MSc Physics	50	50	passed
10	Krishna A S	Msc. Physics	50	50	passed
11	Nila S Dinakar	PCA	50	48	passed
12	Ajmal N	Bsc mathematics	50	50	passed
13	Bilal j	Bsc mathematics	50	50	passed
14	Anandhu.V.Nath	Zoology	50	49	passed
15	Subil.S	Mathematics	50	49	passed
16	ANANDHU KRISHNAN U J	MSc Physics	50	50	passed
17	Vignesh K	Bsc MATHS	50	50	passed
18	Anuvind K K	MSc Physics	50	50	passed
19	SNEHA. R. P	Msc physics	50	50	passed
20	Jothi Lakshmi	Msc physics	50	50	passed
21	Sooraj s	Zoology	50	50	passed
22	Ananthu S	BSc Mathematics	50	50	passed
23	ADITHYA. S	1st Msc physics	50	50	passed
24	Devavani. V	Physics	50	50	passed
25	Gayathri PS	1st Msc physics	50	49	passed
26	Josna George	1st Msc physics	50	50	passed
27	Ramya R krishnan	1st Msc physics	50	50	passed

CERTIFICATE COURSE 2021-2022

SREE NARAYANA COLLEGE KOLLAM			
DEPARTMENT OF MATHEMATICS			
CERTIFICATE COURSE 2021-2022			
DATA ANALYSIS USING MICROSOFT EXCELL			
TIME TABLE			
ANUJA.S			
	DAY	**TIME**	**THEORY/LAB**
	MONDAY	8.30 to 9.30	THEORY
		3.15 4.15	Lab
	TUESDAY	8.30 to 9.30	THEORY
		3.15 4.15	THEORY
	WEDNESDAY	8.30 to 9.30	THEORY
		3.15 4.15	THEORY
	THURSDAY	8.30 to 9.30	Lab
		3.15 4.15	THEORY
	FRIDAY	8.30 to 9.30	THEORY
		3.15 4.15	THEORY
	SATURDAY	10 am to 1pm	Lab

PRACTICAL

	CERTIFIED COURSE STUDENTS LIST & ATTENDANCE STATEMENT 2021-2022 (PRACTICAL)				
Sl no	Name	Class	9/4/22	23/4/22	7/5/22
1	Drisya Krishna T.S	MSc Botany	p	P	P
2	Vignesh K	Bsc MathS	p	P	P
3	Fathima S	Bsc PCA	p	P	P
4	Devika G Kumar	PCA	p	P	P
5	Alfiya S	PCA	p	P	P
6	Ajil A	Mathematics	p	P	P
7	Krishna S.R	Bsc PCA	p	P	P
8	AMRITHA V J	Msc Physics	p	P	P
9	ARYA CHANDRAN.S	MSc Physics	p	P	P
10	Krishna A S	Msc. Physics	p	P	P
11	Nila S Dinakar	PCA	p	P	P
12	Ajmal N	Bsc mathematics	p	P	P
13	Bilal j	Bsc mathematics	p	P	P
14	Anandhu.V.Nath	Zoology	p	P	P
15	Subil.S	Mathematics	p	P	P
16	ANANDHU KRISHNAN	MSc Physics	p	P	P
17	Vignesh K	Bsc MATHS	p	P	P
18	Anuvind K K	MSc Physics	p	P	P
19	SNEHA. R. P	Msc physics	p	P	P
20	Jothi Lakshmi	Msc physics	p	P	P
21	Sooraj s	Zoology	p	P	P
22	Ananthu S	BSc Mathematics	p	P	P
23	ADITHYA. S	1st Msc physics	p	P	P
24	Devavani. V	Physics	p	P	P
25	Gayathri PS	1st Msc physics	p	P	P
26	Josna George	1st Msc physics	p	P	P
27	Ramya R krishnan	1st Msc physics	p	P	P
28					
29					
30					

CERTIFICATE COURSE STUDENTS LIST & ATTENDANCE STATEMENT 2021-2022 (Theory)

Sl .NO	Name	Course	24/11/21	3/12/21	10/12/21	7/1/22	14/1/22	20/1/22	28/1/22	11/2/22	18/2/22	25/2/22	11/3/22	8/4/22	22/4/22	6/5/22	24/5/22
1	Drisya Krishna T.S	MSc Botany	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	Vignesh K	Bsc MathS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	Fathima S	Bsc PCA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Devika G Kum	PCA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	Alfiya S	PCA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	Ajil A	Mathematics	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	Krishna S.R	Bsc PCA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	AMRITHA V J	Msc Physics	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	ARYA CHAND	MSc Physics	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	Krishna A S	Msc. Physics	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	Nila S Dinaka	PCA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	Ajmal N	Bsc mathema	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	Bilal j	Bsc mathema	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	Anandhu.V.Na	Zoology	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	Subil.S	Mathematics	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	ANANDHU KI	MSc Physics	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	Vignesh K	Bsc MATHS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	Anuvind K K	MSc Physics	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	SNEHA. R. P	Msc physics	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	Jothi Lakshmi	Msc physics	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	Sooraj s	Zoology	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Ananthu S	BSc Mathema	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	ADITHYA. S	1st Msc physi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	Devavani. V	Physics	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	Gayathri PS	1st Msc physi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	Josna George	1st Msc physi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	Ramya R kris	1st Msc physi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Sheet1

SREE NARAYANA COLLEGE KOLLAM

DEPARTMENT OF MATHEMATICS

CERTIFICATE COURSE 2021-2022

DATA ANALYSIS USING MICROSOFT EXCEL

		PRACTICAL EXAM TIME TABLE	
DATE	DAY	TIME	
06/06/2022	Wednesday	1.30pm to 3.30pm	

SREE NARAYANA COLLEGE, KOLLAM

Affiliated to University of Kerala

Accredited by NAAC "A" Grade & ARIIA AIR II

CERTIFICATE

This is to certify that Mr./Mrs./Ms.....KRISHNA S.R.....
.....Candidate Code.....
Department of.....PGA.....has successfully completed
Certificate Course in...DATA ANALYSIS USING MICROSOFT EXCEL.....conducted by
the Department of .....MATHEMATICS.....during the
Academic Year .....2021-22.....

COURSE CO-ORDINATOR | GENERAL CO-ORDINATOR | IQAC CO-ORDINATOR | PRINCIPAL

Sree Narayana College, Kollam

Department of Mathematics

2021-2022

Certificate Course Report

Title of the Course: Data Analysis using Microsoft Excel

A meeting was held on 19/11/2021 at 1.30 pm in the computer lab, Department of Mathematics to discuss about the commencement of certificate course on Data analysis using Microsoft Excel.

The members of the board of studies for certificate course were present in the meeting. Chairman :-Ravivarma B. presided the meeting. All together 27 students applied for the course. The classes were handled by smt. Anuja S, Guest lecturer, Department of mathematics S.N.C. Kollam. The class commenced on 24/11/2021 . Both theory and practical classes were conducted for this students.

After successfully completing the classes practical exam was conducted on 06/06/2022 from 1.30 pm to 3.30 pm. All this students attended the exam and the pass percentage was 100%.

Thus the certificate course helped students to gain practical knowledge in this field, also this was an added advantage for the students to enhance their skill development as well as their curriculum vitae.

SREE NARAYANA COLLEGE, KOLLAM
Department of Mathematics
2021-22

Title of Course
Data Analysis Using Microsoft Excel
Meeting held on : 19/11/2021 at Computer lab, department of mathematics

Minutes Report

The department has decided to Commence the classes on 24/11/2021
The board of studies has approved the syllabus.
The Course Coordinator has scheduled the Programme details and the timetable of the classes.
The board of studies has decided to Conduct external examination at the end of year.

Attendence Statement of the Meeting

Sl.No.	Name of faculty	Signature
1	Ravivarma B	
2	Kuleena Das	
3	Vivek PV	
4	Midhun S	
5	Niza N	
6	Hasilal N Thazhikkattuzeril	
~~7~~	~~Midhun S~~	
8	Midhun AT	
9	Dr. Akhila R	

SREE NARAYANA COLLEGE, KOLLAM
Department of Mathematics
2021-22

Title of Course
Data Analysis Using Microsoft Excel
Meeting held on : 8/6/2022 at Computer lab, department of mathematics

Minutes Report

The board of Studies has decided to publish the result on 15/6/2022

Attendence Statement of Meeting

Sl.No.	Name of Faculty	Signature
1	Ravivarma B	
2	Kuleena Das	
3	Vivek PV	Vivek PV
4	Midhun S	
5	Niza N	
6	Hasilal N Thazhikkattuzesil	
7	Midhun S	
8	Mithun AT	Mithun AT
9	Dr. Akhila R	

Principal
Sree Narayana College
Kollam

SREENARAYANA COLLEGE KOLLAM