

**Sree Narayana College, Kollam**

**2018-2019**

**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.

*Aushadharayil*  
Principal  
Sree Narayana 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**

**Sree Narayana College, Kollam**

**Department of Mathematics**

**2018-2019**

**Certificate Course Syllabus**

**Title of the Course: Data Analysis using Microsoft Excel**

**Aim of the Course**

1. This Course is aimed at familiarizing participants to the use of advanced excel formulas and features in intensive data analysis and equips the participants to the use of data analysis as a tool for their project work.
2. Data analysis helps teachers understand their students' learning abilities and challenges, and facilitates an ingrained cultural process that uses detailed inputs (information) to ensure optimal outputs

**Objective of the course**

- To teach the participants advanced Excel functions.

**Outcome of the course**

- Through the use of data analysis, **project managers can better meet stakeholder expectations—ultimately improving project operations and outcomes.** As a result, they're able to closely monitor and ensure high-quality deliverables. As a project manager, you'll find that data analysis plays a big part in your success

**Department of Mathematics SN College Kollam**Certificate course :-Data Analysis Using Microsoft Excel  
2018-2019**List of Members of Board of Studies**

<b>Name</b>	<b>Designation</b>	<b>Position held</b>
<b>Vivek PV</b>	Assistant Professor, S.N. College, Kollam	<b>Chairman</b>
<b>Kuleena Das</b>	Assistant Professor, S.N. College, Kollam	<b>Member</b>
<b>Dr.Ambili B</b>	Associate Professor, S.N. College, Kollam	<b>Member</b>
<b>Aswathy S</b>	Assistant Professor, S.N. College, Kollam	<b>Member</b>
<b>Adersh V K</b>	Assistant Professor, T.K.M. College, Kollam	<b>Member</b>
<b>Aswathy M.R.</b>	Assistant Professor, T.K.M. College, Kollam	<b>Member</b>

# **SREE NARAYANA COLLEGE, KOLLAM**

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



**College - level certificate course  
on**

**"Data Analysis using Microsoft Excel"**

**Department of Mathematics (2018 - 19)**

**we are the sharpeners of great minds and honourable values.**

**Contact : Vivek P V**

**Contact no : 9496112930**

## NOTICE

A meeting of the certificate course Board of studies members will be held on 28/09/2018 at 1.30pm in the 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

28/09/2018

  
Chairman

## NOTICE

A meeting of the certificate course Board of studies members will be held on 03/06/2019 at 1.30pm in the 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

03/06/2019

  
Chairman

**List of Students Applied for Certificate Course : Data  
Analysis using microsoft Excel(2018-2019)**

Sl No	Name	Candidate Code	Department
1	Abhijith A	16132001	Bsc.Mathematics
2	Abis Ajayan	16132002	Bsc.Mathematics
3	Amarjith S P	16132003	Bsc.Mathematics
4	Amrutha S Chandran	16132004	Bsc.Mathematics
5	Anandhu A	16132005	Bsc.Mathematics
6	Anandhu S M	16132006	Bsc.Mathematics
7	Anandhukrishnan R	16132007	Bsc.Mathematics
8	Anjana S	16132008	Bsc.Mathematics
9	Anjitha K V	16132009	Bsc.Mathematics
10	Devika Unni D	16132010	Bsc.Mathematics
11	Pooja Rajeev	16132015	Bsc.Mathematics
12	Prajitha S	16132016	Bsc.Mathematics
13	Reshmi R	16132017	Bsc.Mathematics
4	Sai Sankar	16132018	Bsc.Mathematics
15	Sidharth S S	16132019	Bsc.Mathematics
16	Sruthi S	16132020	Bsc.Mathematics
17	Arjun R	16132030	Bsc.Mathematics
18	Asish Chandran	16132031	Bsc.Mathematics
19	Deepika C	16132032	Bsc.Mathematics
20	Devi D	16132033	Bsc.Mathematics
21	Devika S Lal	16132034	Bsc.Mathematics
22	Devika Shaji	16132035	Bsc.Mathematics
23	Durga D S	16132036	Bsc.Mathematics
24	Karthika G	16132037	Bsc.Mathematics
25	Keerthy Mohan	16132038	Bsc.Mathematics



**Student details Certificate Course Data Analysis using microsoft Excel.....2018-2019**

Sl No	Name	Cand. Rate Code	Course	Address	Mobile Number	Email ID
1	Amritha A	16132001	Bsc. Mathematics	Kalluvila E. Chayil, Munimoodu P.O Mukhiathala, Kollam.	773692002	amritha2001@gmail.com
2	Ahik Aayan	16132002	Bsc. Mathematics	Chavara bridge po Kollam	7025051920	Sayananila56@gmail.com
3	Amarith S P	16132003	Bsc. Mathematics	Nizam manzil, thazhuthala, kottiyam po kollam	8590713234	saeedanizam7@gmail.com
4	Anandha S Chan	16132004	Bsc. Mathematics	Ushamandiram edayam po edayam	8590951177	shahubhijith94@gmail.com
5	Anandha S	16132005	Bsc. Mathematics	Gourimandhiram, Edayam P.O Edayam	756177152	anandhour202@gmail.com
6	Anandhu S M	16132006	Bsc. Mathematics	Palavila Veedu, Punnamoodu, Varkala	8136950275	gowrysubhash02@gmail.com
7	Anandhukrishnan	16132007	Bsc. Mathematics	Vayalil padinjattathil prakkulam po kollam	7559085849	Varshasree.panayam@gmail.com
8	Anjana S	16132008	Bsc. Mathematics	Puthen Bunglow, kureppally, kannanalloor, p. o. Kollam.	9400542715	Kripasajan80@gmail.com
9	Anjitha K V	16132009	Bsc. Mathematics	Sheejamandiram, kudavattoorPO, kudavattoor	9544699536	amruthaj2812@gmail.com

10	Devika	16132010	Bsc.Mathematics	Valiyazhikathu thekkathil house, Superior nagar, kureepuzha east, kavanade P O, Kollam 03	959251912	souparnika714@gmail.com
11	Pooja Rajeev	16132015	Bsc.Mathematics	Charuvila putthen veedu Pathara junction kottiyam po kollam	9746191650	adhimohanachu2002@gmail.com
12	Pooja Jay S	16132016	Bsc.Mathematics	Lekshmiyl Eravichira West Patharam P O	9747690932	gowreenandanadp@gmail.com
13	Reshmi R	16132017	Bsc.Mathematics	Reshmi Bhavan, Thundil thekkathil Thazhuthala Kottiyam po	8921387532	reshmirmohan3@gmail.com
14	Arjun R	16132019	Bsc.Mathematics	Vasanthaleiyam, S.V nagar 5, Patharam P O, Kollam 030001	919534997	sreelethapunnithan@gmail.com
15	Arjun R	16132019	Bsc.Mathematics	Patharam, Edamulackal, Edamulackal (po), Anchal, Kollam	9188489794	fathimashaji661@gmail.com
16	Sruthi S	16132020	Bsc.Mathematics	Abhinivas Neendakara Puthenthura P O Kollam	8078885692	abhiramyabhi881@gmail.com
17	Arjun R	16132030	Bsc.Mathematics	Reshmi Bhavan Thundil thekkathil Thazhuthala Kottiyam po	8921387532	reshmirmohan3@gmail.com
18	Asish Chandran	16132031	Bsc.Mathematics	Sreehari kadavanathekkathil kilikalloor Priyadarshini nagar 72 D	9747083794	athulkunju987@gmail.com
19	Deepika C	16132032	Bsc.Mathematics	Kizhakke pochayil veedu thekkevila, thekkenagar 246,po kollam 691016	9947978765	anjaliireghu19@gmail.com
20	Devi D	16132033	Bsc.Mathematics	Kalluvila Melathil, Kottathala (PO) kottarakara	9633086937	devikaprinisuresh@gmail.com

21	Devika S Lal	11122224	Psychometrics	Changayil padinjattathil Thimma Maricade kollam	8137035277	anandhak646@gmail.com
22				Aiswarya vilasam Vettilathasham Decent Kollam		
				Snehasoorya, Punalathasham nagar 192A, Kollam P. O. Kollam	8898033000	sn_sneha311@gmail.com
23	Leela P G	11122227	Psychometrics	Lekshmi nivas, Karmkoanam kollam	7356698799	lechu30112001@gmail.com
				Mavannoor, Kuthyrapanthy p O. Thiruvava	8221216782	leela.lekshmi@gmail.com

## Certificate Course (2018-2019)

Data

Analysis using microsoft Excel

## Selection list of students

SI No	Name	Candidate Code	Department
1	Abhijith A	16132001	Bsc.Mathematics
2	Abis Ajayan	16132002	Bsc.Mathematics
3	Amarjith S P	16132003	Bsc.Mathematics
4	Amrutha S Chandran	16132004	Bsc.Mathematics
5	Anandhu A	16132005	Bsc.Mathematics
6	Anandhu S M	16132006	Bsc.Mathematics
7	Anandhukrishnan R	16132007	Bsc.Mathematics
8	Anjana S	16132008	Bsc.Mathematics
9	Anjitha K V	16132009	Bsc.Mathematics
10	Devika Unni D	16132010	Bsc.Mathematics
11	Pooja Rajeev	16132015	Bsc.Mathematics
12	Prajitha S	16132016	Bsc.Mathematics
13	Reshmi R	16132017	Bsc.Mathematics
14	Sai Sankar	16132018	Bsc.Mathematics
15	Sidharth S S	16132019	Bsc.Mathematics
16	Sruthi S	16132020	Bsc.Mathematics
17	Arjun R	16132030	Bsc.Mathematics
18	Asish Chandran	16132031	Bsc.Mathematics
19	Deepika C	16132032	Bsc.Mathematics
20	Devi D	16132033	Bsc.Mathematics
21	Devika S Lal	16132034	Bsc.Mathematics
22	Devika Shaji	16132035	Bsc.Mathematics
23	Durga D S	16132036	Bsc.Mathematics
24	Karthika G	16132037	Bsc.Mathematics
25	Keerthy Mohan	16132038	Bsc.Mathematics

*Abhijith A*  
*Abis Ajayan*  
*Amarjith S P*  
*Amrutha S Chandran*  
*Anandhu A*  
*Anandhu S M*  
*Anandhukrishnan R*  
*Anjana S*  
*Anjitha K V*  
*Devika Unni D*  
*Pooja Rajeev*  
*Prajitha S*  
*Reshmi R*  
*Sai Sankar*  
*Sidharth S S*  
*Sruthi S*  
*Arjun R*  
*Asish Chandran*  
*Deepika C*  
*Devi D*  
*Devika S Lal*  
*Devika Shaji*  
*Durga D S*  
*Karthika G*  
*Keerthy Mohan*

**Certificate Course (2018-2019)**

Data

**Analysis using microsoft Excel****list of students passed**

Sl No	Name	Candidate Code	Department
1	Abhijith A	16132001	Bsc.Mathematics
2	Abis Ajayan	16132002	Bsc.Mathematics
3	Amarjith S P	16132003	Bsc.Mathematics
4	Amrutha S Chandran	16132004	Bsc.Mathematics
5	Anandhu A	16132005	Bsc.Mathematics
6	Anandhu S M	16132006	Bsc.Mathematics
7	Anandhukrishnan R	16132007	Bsc.Mathematics
8	Anjana S	16132008	Bsc.Mathematics
9	Anjitha K V	16132009	Bsc.Mathematics
10	Devika Unni D	16132010	Bsc.Mathematics
11	Pooja Rajeev	16132015	Bsc.Mathematics
12	Prajitha S	16132016	Bsc.Mathematics
13	Reshmi R	16132017	Bsc.Mathematics
14	Sai Sankar	16132018	Bsc.Mathematics
15	Sidharth S S	16132019	Bsc.Mathematics
16	Sruthi S	16132020	Bsc.Mathematics
17	Arjun R	16132030	Bsc.Mathematics
18	Asish Chandran	16132031	Bsc.Mathematics
19	Deepika C	16132032	Bsc.Mathematics
20	Devi D	16132033	Bsc.Mathematics
21	Devika S Lal	16132034	Bsc.Mathematics
22	Devika Shaji	16132035	Bsc.Mathematics
23	Durga D S	16132036	Bsc.Mathematics
24	Karthika G	16132037	Bsc.Mathematics
25	Keerthy Mohan	16132038	Bsc.Mathematics

**SREE NARAYANA COLLEGE**

**KOLLAM**

**DEPARTMENT OF MATHEMATICS**

**CERTIFICATE COURSE (2018-2019)**

**DATA ANALYSIS USING MICROSOFT EXCEL**

**LIST OF TEACHERS HANDLING THE COURSE**

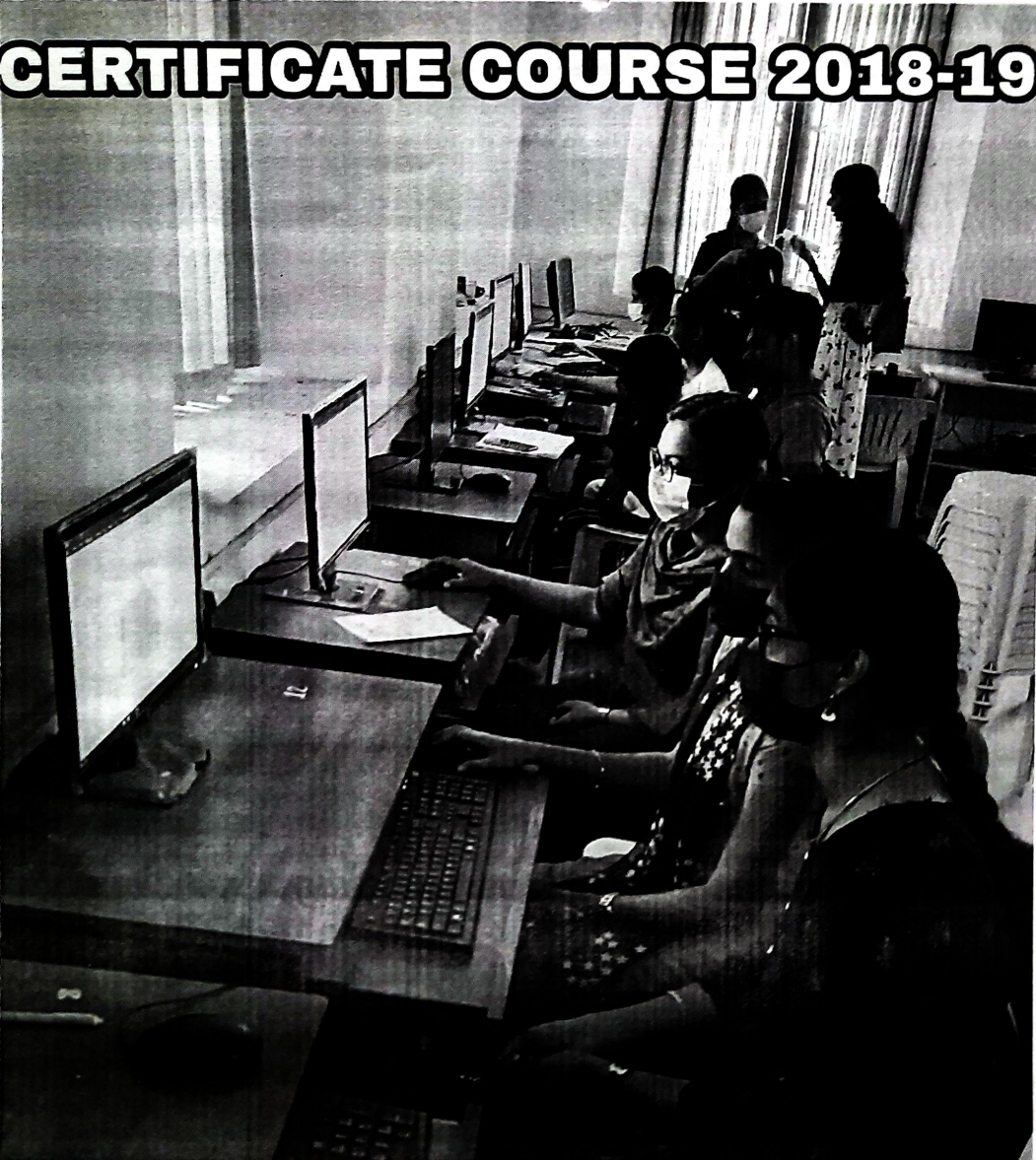
1.Kuleenadas (Assistant Professor , Department of  
mathematics)

CERTIFICATE COURSE STUDENTS MARKLIST 2018-2019					
SI.NO	NAME	DEPARTMENT	TOTAL MA	MARKS OBTAINED	Passed/failed
1	Abhijith A	<u>III B.Sc Mathematics</u>	50	50	passed
2	Abis Ajayan	<u>III B.Sc Mathematics</u>	50	50	passed
3	Amarjith S P	<u>III B.Sc Mathematics</u>	50	50	passed
4	Amrutha S Chandran	<u>III B.Sc Mathematics</u>	50	49	passed
5	Anandhu A	<u>III B.Sc Mathematics</u>	50	50	passed
6	Anandhu S M	<u>III B.Sc Mathematics</u>	50	49	passed
7	Anandhukrishnan R	<u>III B.Sc Mathematics</u>	50	50	passed
8	Anjana S	<u>III B.Sc Mathematics</u>	50	50	passed
9	Anjitha K V	<u>III B.Sc Mathematics</u>	50	50	passed
10	Devika Unni D	<u>III B.Sc Mathematics</u>	50	50	passed
11	Pooja Rajeev	<u>III B.Sc Mathematics</u>	50	48	passed
12	Prajitha S	<u>III B.Sc Mathematics</u>	50	50	passed
13	Reshmi R	<u>III B.Sc Mathematics</u>	50	50	passed
14	Sai Sankar	<u>III B.Sc Mathematics</u>	50	49	passed
15	Sidharth S S	<u>III B.Sc Mathematics</u>	50	49	passed
16	Sruthi S	<u>III B.Sc Mathematics</u>	50	50	passed
17	Arjun R	<u>III B.Sc Mathematics</u>	50	50	passed
18	Asish Chandran	<u>III B.Sc Mathematics</u>	50	50	passed
19	Deepika C	<u>III B.Sc Mathematics</u>	50	50	passed
20	Devi D	<u>III B.Sc Mathematics</u>	50	50	passed
21	Devika S Lal	<u>III B.Sc Mathematics</u>	50	50	passed
22	Devika Shaji	<u>III B.Sc Mathematics</u>	50	50	passed
23	Durga D S	<u>III B.Sc Mathematics</u>	50	50	passed
24	Karthika G	<u>III B.Sc Mathematics</u>	50	50	passed
25	Keerthy Mohan	<u>III B.Sc Mathematics</u>	50	49	passed
26	Abhijith A	<u>III B.Sc Mathematics</u>	50	50	passed
27	Abis Ajayan	<u>III B.Sc Mathematics</u>	50	50	passed

SREE NARAYANA COLLEGE KOLLAM			
DEPARTMENT OF MATHEMATICS			
CERTIFICATE COURSE 2018-2019			
DATA ANALYSIS USING MICROSOFT EXCELL			
TIME TABLE			
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	



**CERTIFICATE COURSE 2018-19**



**SREE NARAYANA COLLEGE KOLLAM**  
**DEPARTMENT OF MATHEMATICS**  
**CERTIFICATE COURSE 2018-2019**  
**DATA ANALYSIS USING MICROSOFT EXCEL**

PRACTICAL EXAM TIME TABLE		
DATE	DAY	TIME
24/05/19	Friday	1.30pm to 3.30pm

**CERTIFIED COURSE STUDENTS LIST & ATTENDANCE STATEMENT 2018-2019  
(PRACTICAL)**

Sl no	Name	Class	16/3/19	13/4/19	20/4/19
1	Abhijith A	Bsc Maths	p	P	P
2	Abis Ajayan	Bsc Maths	p	P	P
3	Amarjith S P	Bsc Maths	p	P	P
4	Amrutha S Chandran	Bsc Maths	p	P	P
5	Anandhu A	Bsc Maths	p	P	P
6	Anandhu S M	Bsc Maths	p	P	P
7	Anandhukrishnan R	Bsc Maths	p	P	P
8	Anjana S	Bsc Maths	p	P	P
9	Anjitha K V	Bsc Maths	p	P	P
10	Devika Unni D	Bsc Maths	p	P	P
11	Pooja Rajeev	Bsc Maths	p	P	P
12	Prajitha S	Bsc Maths	p	P	P
13	Reshmi R	Bsc Maths	p	P	P
14	Sai Sankar	Bsc Maths	p	P	P
15	Sidharth S S	Bsc Maths	p	P	P
16	Sruthi S	Bsc Maths	p	P	P
17	Arjun R	Bsc Maths	p	P	P
18	Asish Chandran	Bsc Maths	p	P	P
19	Deepika C	Bsc Maths	p	P	P
20	Devi D	Bsc Maths	p	P	P
21	Devika S Lal	Bsc Maths	p	P	P
22	Devika Shaji	Bsc Maths	p	P	P
23	Durga D S	Bsc Maths	p	P	P
24	Karthika G	Bsc Maths	p	P	P
25	Keerthy Mohan	Bsc Maths	p	P	P
28					
29					
30					



**Sree Narayana College, Kollam**

**Department of Mathematics**

**2018-2019**

**Certificate Course Report**

**Title of the Course: Data Analysis using Microsoft Excel**

A meeting was held on 28/09/2018 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 :-Vivek P.V. presided the meeting. All together 25 students applied for the course. The classes were handled by smt. Kuleena Das., Assistant professor, Department of mathematics S.N.C. Kollam. The class commenced on 17/10/2018 . Both theory and practical classes were conducted for this students.

After successfully completing the classes practical exam was conducted on 24/05/2019 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  
 2018-19






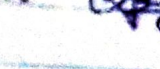
Title of Course  
 Data Analysis: Using Microsoft Excel  
 Meeting held on: 28/9/2018 at computer lab  
 Department of Mathematics

### Minutes Report

Department has decided to commence the classes on 17/10/2018

The board of studies has approved the syllabus  
 The course coordinator has scheduled the programme details and timetable of classes. The board of studies has decided to conduct external examinations at the end of year.

### Attendance Statement of the Meeting

SL No	Name of faculty	Signature
1	Vivek P.V	
2	Kaleesa Das	
3	Dr Ambili B	
4	Aswathy S	
5	Adeesh VK	
6	Dr Aswathy MR	

SREE NARAYANA COLLEGE, KOLLAM  
Department of Mathematics  
2018-19

Title of Course

Data Analysis using Microsoft Excel

Meeting held on: 3/6/2019 at computer lab  
Department of Mathematics

Minutes Report

The Board of Studies has decided to publish the result on 11/7/2019

Attendance statement of the meeting

SL.No	Name of faculty	Signature
1	Vinck P.V	Vinck P.V
2	Kaleesa Das	Kaleesa Das
3	Do Ambili B	Do Ambili B
4	Aswathy S	Aswathy S
5	Adersh VK	Adersh VK
6	Aswathy MR	Aswathy MR