

# CERTIFICATE COURSE ON DATA ANALYSIS USING EXCEL PG DEPARTMENT COMMERCE

## RESOURCE PERSON



Start Date: 5th August 2023  
Venue : Commerce Lab

**Mr. JIJO JOHNSON**  
MS EXCEL TRAINER



CHRIST COLLEGE (AUTONOMOUS) IRINJALAKUDA

**CPCC38 Data Analysis Using Excel**  
**Value Added Certificate Course**  
**Teacher Coordinator Report 2023-24**

Number of students	23
Date of examination	18-09-2023
Total students who passed exam	23
Total course duration	30 hrs

**Feedback analysis:**

- Students appreciated the training
- The students use this knowledge for data analysis .
- 100% students enjoyed the classes and practice sessions.

**Course Coordinator: Dr JOSHEENA JOSE**

## **CPCC38 Data Analysis using Excel**

**(Value Added Certificate Course)**

### **Summary Report 2023-24**

The course started on 5<sup>th</sup> August 2023. There were **23** students enrolled and completed the course. The course was of 30 hrs duration. Students enjoyed the group dynamics and, in their feedback, requested for more such sessions in the future.

#### **Course Outcome:**

On completion of this course the participants will develop an ability to independently analyze and treat data, plan and carry out new research work based on their research interest. The course encompasses most of the major type of research techniques employed in academic and professional research which can be seen in syllabus.

#### **Evaluation**

Participants will be assessed on practical assignments and tests after the completion of training program. There will be both lab work and assignments.

#### **Target Audience:**

Graduate who want to master the skills of data analysis

**Course Coordinator:** Dr. Josheena Jose





**CPCC38 Data Analysis Using Excel**  
**Model Test Questions**  
**Each question carries 1 mark**

**Max Mark 20**

**Time : 1 hrs**

1. What is the keyboard shortcut key to lock cell references in a formula?\*

CTRL

ALT

F2

F4

2. What are the shortcut keys for AutoSum?\*

ALT and S

CTRL and S

ALT and =

CTRL and =

3. Which of the following is the correct formula to calculate the weighted average score in cell C8 as shown below?\*

=SUMPRODUCT(C2:C5,B2:B5)

=SUMPRODUCT(C2:C4,B2:B4)

=AVERAGE(B2:B4)

=AVERAGE(C2:C4)

4. Company A is looking into four potential projects and will accept them if the IRR is 10% or above, as shown in cell E2. What is the formula used in cell C2, which can be copied down to cell C3 through C5, to generate the results shown below?\*

=IF(B2>=E2,"Accept","Reject")

=IF(B2>=\$E2,"Accept","Reject")

=IF(B2>=E\$2,"Accept","Reject")

=IF(B2>=\$E\$2,"Accept","Reject")

5. What are the shortcut keys to insert a new row in an Excel spreadsheet?\*

ALT + H + I + R

ALT + H + I + C

ALT + H + I + I

ALT + H + I + S

6. What are the shortcut keys to group rows so you can expand/contract a section of data?\*

ALT + A + U + U

ALT + A + W + G

ALT + A + G + G

ALT + A + B

7. Which of the following Excel features allows you to select/highlight all cells that are formulas?\*

Find

Replace

Go To

Go To Special

8. What formula should be entered in cell A3 to display the results as shown below?\*

= "Income Statement" & A1

= "Income Statement " & A1

= "Income Statement "+ A1

= "Income Statement "& "A1"

9. What formula can be used in cell G2 to create a dynamic date which shows the last day of each month?\*

= EOMONTH(\$B\$2, B1)

= EOMONTH(\$B\$2, G1)

= EOMONTH(\$B\$2, C1)

= MONTH(\$G\$2)

10. What are the keyboard shortcut keys to paste special?\*

ALT + H + V + F

ALT + H + V + P

ALT + H + V + O

ALT + H + V + S

11. Assuming cell A1 is displaying the number "12000.7789". What formula should be used to round this number to the closest integer?\*

=MROUND(A1,100)

=MROUND(A1,10)

=ROUND(A1,0)

=ROUND(A1,1)

12. What are the keyboard shortcut keys to edit formula in a cell?\*

F2

F4

CTRL + 1

CTRL + F

13. What are the keyboard shortcut keys to insert a table?\*

ALT + N + R

ALT + N + C

ALT + N + V

ALT + N + T

14. In which tab of the ribbon can you change Workbook Views to Page Break Preview?\*

View

Review

Page Layout

Data

15. What is the best practice for financial modeling in excel?\*

Use black font for all hard-coded numbers and formulas and blue font for only the totals

Use blue font for all hard-coded numbers and formulas and black font for only the totals

Use blue font for hard-coded numbers and black font for formulas

Use black font for hard-coded numbers and blue font for formulas

16. Which of the following features cannot be found in the Data ribbon?\*

What-If Analysis

PivotTable

Data Validation

Text to Columns

17. The shortcut keys to increase the number of decimal places are\*

ALT + H + 9

ALT + H + P

ALT + H + D

ALT + H + 0

18. Suppose a company expected its revenue to be \$180,000 for 2014-2018. What formula should be entered in cell E6 so it displays revenue in 2016 if it was above budget, otherwise it'll show 0?\*

=IF(E2<\$B\$6,E2,0)

=IF(E2<\$B\$6,0,E2)

=IF(E2>\$B\$6,E2,0)

=IF(E2>\$B\$6,0,E2)

19. What are the shortcut keys to open up the Find and Replace window?\*

ALT + H + FD + R

CTRL + FD

ALT + H + R

ALT + H + FD

20. Which tab of the ribbon should you go to for removing gridlines on a worksheet?\*

Formulas

View

Review

Developer

\*\*\*\*\*

**Course Code: MCM01 Certificate Course on Excel Batch 2023-24**

<b>Course Name</b>	<b>Reg. No</b>	<b>User Name</b>	<b>Class</b>	<b>Department</b>	<b>Commencement Date</b>	<b>Duration</b>	<b>Certificate</b>	<b>Year</b>	<b>Date of Exam</b>	<b>Grade</b>
Excel	CCAXMCM001	AKSHAY K DAS	M.Com	Commerce	5 <sup>th</sup> August 2023	30 Hrs	Yes	2023-24	18/9/2023	A
Excel	CCAXMCM002	ANAMIKA GOKUL	M.Com	Commerce	5 <sup>th</sup> August 2023	30 Hrs	Yes	2023-24	18/9/2023	A
Excel	CCAXMCM003	ANAND ANIL	M.Com	Commerce	5 <sup>th</sup> August 2023	30 Hrs	Yes	2023-24	18/9/2023	A
Excel	CCAXMCM004	ANJALY DAVIS	M.Com	Commerce	5 <sup>th</sup> August 2023	30 Hrs	Yes	2023-24	18/9/2023	A
Excel	CCAXMCM005	ANN MARIYA ROY	M.Com	Commerce	5 <sup>th</sup> August 2023	30 Hrs	Yes	2023-24	18/9/2023	A
Excel	CCAXMCM006	ANULAKSHMI U K	M.Com	Commerce	5 <sup>th</sup> August 2023	30 Hrs	Yes	2023-24	18/9/2023	A
Excel	CCAXMCM007	APARNA K J	M.Com	Commerce	5 <sup>th</sup> August 2023	30 Hrs	Yes	2023-24	18/9/2023	A
Excel	CCAXMCM008	ARAVIND V S	M.Com	Commerce	5 <sup>th</sup> August 2023	30 Hrs	Yes	2023-24	18/9/2023	A
Excel	CCAXMCM009	ASHNA P B	M.Com	Commerce	5 <sup>th</sup> August 2023	30 Hrs	Yes	2023-24	18/9/2023	A
Excel	CCAXMCM010	AVANY.K.P.	M.Com	Commerce	5 <sup>th</sup> August 2023	30 Hrs	Yes	2023-24	18/9/2023	A
Excel	CCAXMCM011	CHRISTYMOL JOHNSON	M.Com	Commerce	5 <sup>th</sup> August 2023	30 Hrs	Yes	2023-24	18/9/2023	A
Excel	CCAXMCM012	CYRIL JOY P	M.Com	Commerce	5 <sup>th</sup> August 2023	30 Hrs	Yes	2023-24	18/9/2023	A
Excel	CCAXMCM013	DEVIKA SABU	M.Com	Commerce	5 <sup>th</sup> August 2023	30 Hrs	Yes	2023-24	18/9/2023	A
Excel	CCAXMCM014	EBIN BENNY	M.Com	Commerce	5 <sup>th</sup> August 2023	30 Hrs	Yes	2023-24	18/9/2023	A



## CPCC38 Certificate course on Data Analysis Using

### excel

### 2023-24Syllabus

Module 1: Excel functions and formulas 5 hrs

Cell referencing, logical operators, named range, functions in excel- sum, average, count, if function, trim, max & min, now, today, time, date, if, product, upper, lower, concatenate, left, right, mid, Data Validation

Module 2: Excel tables 3 hrs

Table creation, color format, table naming, banded rows, convert to range, sort and filter, remove duplicate, slicer,

Module 3: Excel charts 10 hrs

Chart creating, change chart format, adding data, chart title, resize chart, sparklines, swap the axis data, name the axis, data label, error bar, legend key

Module 4: Excel workbook 2hrs

Cell formatting, column hiding, deleting, tab color, copy of worksheet, name the worksheet, show formulas, decimal place, wrap text, cell size, auto fit, hyperlink, page numbering, confide, page break, data importing, conditional formatting, Flash Fill

Module 5: Introduction to Pivot table, AI in excel, ANOVA, Correlation and Regression. 10 hrs



## Christ College Autonomous Irinjalakuda

### Research Department of Commerce

#### Microsoft Excel Certificate Course – Session 1

The first session of Microsoft Excel Certificate Program for M.com 2023-25 batch was held on 5<sup>th</sup> August 2023 from 10am to 1pm. The session was headed by IQAC Office Assistant, Mr. Jijo. The session started with a silent prayer. Mr Dixon and Miss Aishwarya from M.com 2022-24 batch were present for assisting students. The first session covered all basics of Microsoft Excel. Jijo sir introduced the basic tabs and commands of the software, basic shortcut keys and conditional formatting. He also explained the process of creating tables and various tools related to table formatting. After the session, a practical exercise was also done. Mrs. Josheena Jose, Head of the Department of Commerce, was present throughout the entire session. The session concluded at 1 pm by vote of thanks by Miss Anjaly Davis

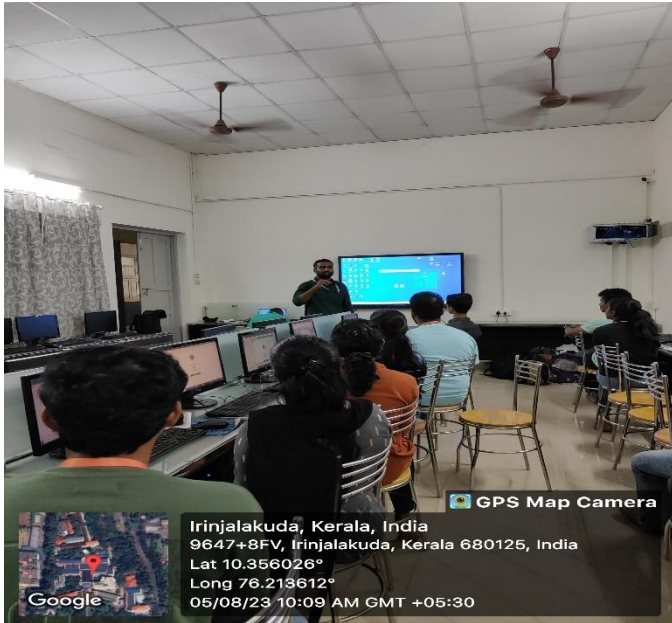






Christ College Autonomous Irinjalakuda

Research Department of Commerce





# **Christ College Autonomous Irinjalakuda**

## **Research Department of Commerce**

### **MS Excel Certificate Program Session 2, 19<sup>th</sup> August 2023 Report**

The second session of MS Excel Certificate Program was taken on 19<sup>th</sup> August 2023 at Commerce Computer Lab. The class commenced at 9.30am. Mr. Jijo, IQAC Assistant, Christ College Autonomous Irinjalakuda, was the resource person. The topics covered in second session included chart operations, table formatting, workbook operations and pivot table. He also shared certain tricks and shortcut keys. The class concluded at 3.00 pm.







I.M.COM



**GPS Map Camera**

**Irinjalakuda, Kerala, India**

**9647+8GC, Fr Dismas Rd, Irinjalakuda, Kerala 680125, India**

**Lat 10.355986°**


**Long 76.213812°**

**29/09/23 02:07 PM GMT +05:30**







 **GPS Map Camera**



**Irinjalakuda, Kerala, India**  
**9647+8FV, Irinjalakuda, Kerala 680125, India**  
**Lat 10.356026°**  
**Long 76.213612°**  
**05/08/23 10:09 AM GMT +05:30**





**CHRIST**  
COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade



**Certificate of Merit**

This is to certify that AKSHAY K DAS of 1<sup>st</sup> Sem M.Com  
has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

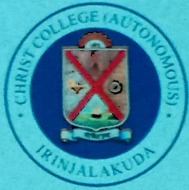
He / She secured A Grade.

  
Dr. JOSHEENA JOSE  
HoD & Co-ordinator



  
Rev. Dr. JOLLY ANDREWS CMI  
Principal





# CHRIST

COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade



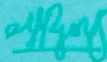
## Certificate of Merit

This is to certify that **ANAMIKA GOKUL** ..... of **1<sup>st</sup> Sem M.Com** .....  
has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

He / She secured ..... **A** ..... Grade.

  
**Dr. JOSHEENA JOSE**  
HoD & Co-ordinator



  
**Rev. Dr. JOLLY ANDREWS CMI**  
Principal





**CHRIST**  
COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade



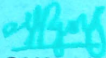
## Certificate of Merit

This is to certify that ANAND ANIL of 1<sup>st</sup> Sem M.Com  
has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

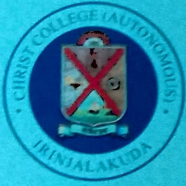
He / She secured A Grade.

  
Dr. JOSHEENA JOSE  
HoD & Co-ordinator



  
Rev. Dr. JOLLY ANDREWS CMI  
Principal





**CHRIST**  
COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade

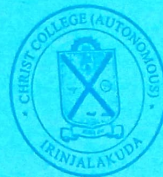


## Certificate of Merit

This is to certify that **ANJALY DAVIS** of **1<sup>st</sup> Sem M.Com**  
has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

He / She secured **A** Grade.

  
**Dr. JOSHEENA JOSE**  
HoD & Co-ordinator



  
**Rev. Dr. JOLLY ANDREWS CMI**  
Principal





**CHRIST**  
COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade



**Certificate of Merit**

This is to certify that **ANN MARIYA ROY** of **1<sup>st</sup> Sem M.Com**  
has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

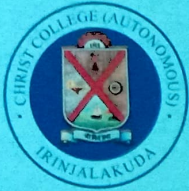
He / She secured **A** Grade.

  
Dr. JOSHEENA JOSE  
HoD & Co-ordinator



  
Rev. Dr. JOLLY ANDREWS CMI  
Principal





# CHRIST

COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade




## Certificate of Merit

This is to certify that ANULAKSHMI U.K of 1<sup>st</sup> Sem M.Com

has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

He / She secured A Grade.

  
Dr. JOSHEENA JOSE  
HoD & Co-ordinator



  
Rev. Dr. JOLLY ANDREWS CMI  
Principal





**CHRIST**  
COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade



**Certificate of Merit**

This is to certify that **APARNA K.J** of **1<sup>st</sup> Sem M.Com**  
has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

He / She secured **A** Grade.

  
**Dr. JOSHEENA JOSE**  
HoD & Co-ordinator



  
**Rev. Dr. JOLLY ANDREWS CMI**  
Principal





# CHRIST


COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade



## Certificate of Merit

This is to certify that ARAVIND V.S of 1<sup>st</sup> Sem M.Com  
has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

He / She secured A Grade.

  
Dr. JOSHEENA JOSE  
HoD & Co-ordinator



  
Rev. Dr. JOLLY ANDREWS CMI  
Principal






**CHRIST**  
COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade




## Certificate of Merit

This is to certify that ASHNA P.B of 1<sup>st</sup> Sem M.Com  
has fulfilled all requirements of the value added certificate course in *Data Analysis using Excel, Batch 2023-24* conducted by Department of Commerce.

He / She secured A Grade.

  
Dr. JOSHEENA JOSE  
HoD & Co-ordinator



  
Rev. Dr. JOLLY ANDREWS CMI  
Principal





# CHRIST

COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade



## Certificate of Merit


This is to certify that AVANY K.P of 1<sup>st</sup> Sem M.Com

has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

He / She secured A Grade.

  
Dr. JOSHEENA JOSE  
HoD & Co-ordinator



  
Rev. Dr. JOLLY ANDREWS CMI  
Principal






**CHRIST**  
COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade



**Certificate of Merit**

This is to certify that CHRISTY MOL JOHNSON of 1<sup>st</sup> Sem M.Com  
has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

He / She secured A Grade.

  
Dr. JOSHEENA JOSE  
HoD & Co-ordinator



  
Rev. Dr. JOLLY ANDREWS CMI  
Principal





# CHRIST

COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade



## Certificate of Merit


This is to certify that CYRIL JOY P of 1<sup>st</sup> Sem M.Com

has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

He / She secured A Grade.

  
Dr. JOSHEENA JOSE  
HoD & Co-ordinator



  
Rev. Dr. JOLLY ANDREWS CMI  
Principal





# CHRIST

COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade




## Certificate of Merit


This is to certify that **DEVIKA SABU** ..... of **1<sup>st</sup> Sem M.Com** .....

has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

He / She secured ..... **A** ..... Grade.

  
Dr. JOSHEENA JOSE  
HoD & Co-ordinator



  
Rev. Dr. JOLLY ANDREWS CMI  
Principal





**CHRIST**  
COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade



## Certificate of Merit

This is to certify that **EBIN BENNY** of **1<sup>st</sup> Sem M.Com**  
has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

He / She secured **A** Grade.

  
Dr. JOSHEENA JOSE  
HoD & Co-ordinator



  
Rev. Dr. JOLLY ANDREWS CMI  
Principal





# CHRIST

COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade



## Certificate of Merit

This is to certify that **JANVI V.J** of **1<sup>st</sup> Sem M.Com**

has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

He / She secured **A** Grade.

Dr. JOSHEENA JOSE  
HoD & Co-ordinator



Rev. Dr. JOLLY ANDREWS CMI  
Principal






**CHRIST**  
COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade




**Certificate of Merit**

This is to certify that Jiss MARIA N.J of 1<sup>st</sup> Sem M.Com  
has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

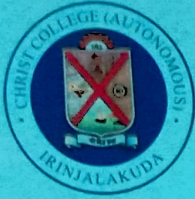
He / She secured A Grade.

  
**Dr. JOSHEENA JOSE**  
HoD & Co-ordinator



  
**Rev. Dr. JOLLY ANDREWS CMI**  
Principal





**CHRIST**  
COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade



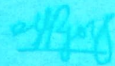
## Certificate of Merit

This is to certify that NANUSHA M.N of 1<sup>st</sup> Sem M.Com  
has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

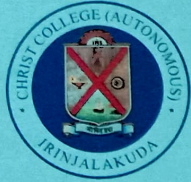
He / She secured A Grade.

  
Dr. JOSHEENA JOSE  
HoD & Co-ordinator



  
Rev. Dr. JOLLY ANDREWS CMI  
Principal





**CHRIST**  
COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade



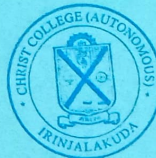
**Certificate of Merit**

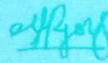
This is to certify that **NIKHIL SURESH** of **1<sup>st</sup> Sem M.Com**

has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

He / She secured **A** Grade.

  
**Dr. JOSHEENA JOSE**  
HoD & Co-ordinator



  
**Rev. Dr. JOLLY ANDREWS CMI**  
Principal





**CHRIST**  
COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade




**Certificate of Merit**

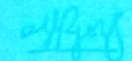
This is to certify that SANDRA M.S of 1<sup>st</sup> Sem M.Com

has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

He / She secured A Grade.

  
Dr. JOSHEENA JOSE  
HoD & Co-ordinator



  
Rev. Dr. JOLLY ANDREWS CMI  
Principal





**CHRIST**  
COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade



**Certificate of Merit**

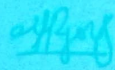
This is to certify that **SNEHA JOHNY** of **1<sup>st</sup> Sem M.Com**

has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

He / She secured **A** Grade.

  
**Dr. JOSHEENA JOSE**  
HoD & Co-ordinator



  
**Rev. Dr. JOLLY ANDREWS CMI**  
Principal





**CHRIST**  
COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade




**Certificate of Merit**

This is to certify that SOURAV P.S of 1<sup>st</sup> Sem M.Com  
has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

He / She secured A Grade.

  
Dr. JOSHEENA JOSE  
HoD & Co-ordinator



  
Rev. Dr. JOLLY ANDREWS CMI  
Principal





**CHRIST**  
COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade




**Certificate of Merit**

This is to certify that **VIGNESH V.R** of **1<sup>st</sup> Sem M. Com**  
has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

He / She secured **A** Grade.

  
**Dr. JOSHEENA JOSE**  
HoD & Co-ordinator



  
**Rev. Dr. JOLLY ANDREWS CMI**  
Principal






**CHRIST**  
COLLEGE (AUTONOMOUS)  
IRINJALAKUDA, KERALA  
Reaccredited by NAAC with 'A++' Grade



**Certificate of Merit**

This is to certify that **VYSHNAV SURENDRAN** ..... of **1<sup>st</sup> Sem M. Com** .....  
has fulfilled all requirements of the value added certificate course in **Data Analysis using Excel, Batch 2023-24** conducted by Department of Commerce.

He / She secured ..... **A** ..... Grade.

  
Dr. JOSHEENA JOSE  
HoD & Co-ordinator



  
Rev. Dr. JOLLY ANDREWS CMI  
Principal