P. G DEPARTMENT OF ECONOMICS DEVA MATHA COLLEGE, KURAVILANGAD

Affiliated to Mahatma Gandhi University, Kottayam



REPORT OF ADD-ON COURSE

Data Analysis using Excel

Conducted for I MA Econometrics

Academic Year: 2021-22

Add-On Course: Data Analysis Using Excel

Academic year : 2021-2022

Date(s) on which program was conducted : 22-01-22 to 22-02-2022

<u>Sponsoring / Collaborating agency</u> : Deva Matha College Kuravilangad

<u>Beneficiaries</u> : 1 PG Econometrics students
Organizing Dept. / Club & Name of Co-ordinator : PG Department of Economics

Name / Affiliation & Contact details (E-mail) of the resource person(s) : Ms. Sony Jacob

sony.jacob@devamatha.ac.in

+91 8301882685

The number of students participated in the program : 13

Instructional Hours: 30 hours

Duration: 3 months

Mode of Instruction: Theory- Online Mode and Practical- Offline Mode

Intake Capacity: 30

Eligibility: Basic Computer Knowledge

Course Objectives:

- 1. To use different functions of MS Excel with regard to data analysis.
- 2. To understand the principles behind data mining, importing data and organizing data.
- 3. To apply statistical analysis and technologies on data to find trends, high level visual summaries and solve problems.
- 4. To start data analysis and modeling.

Assessment Procedure

Internal:

Multiple Choice Questions based Test of **10 marks** (10 Questions) based on theory.

Practical Test 10 marks based on basic functions and formulas

External:

Multiple Choice Questions based Test of 40 marks (20 Questions) based on theory.

Practical Test of 20 marks based on basic functions and formulas, data sorting, data visualization and budget.

Report 20 marks Time series data analysis including Descriptive statistics, Correlation, Regression & its interpretation

Grading

4.50 to 5.00 - A + - Excellent

4.00 to 4.49 - A - Very Good

3.50 to 3.99 - B + - Good

 $3.00 \text{ to } 3.49 - B - Average}$

Below 3.00 – Below Average

Course outcome

This course enables students to undertake basic data analysis tasks required for term paper, Internship and dissertations.

A brief report on Add-on Course: Data Analysis using Excel.

The P.G Department of Economics, Deva Matha College Kuravilangad conducted an Add on Course on "Data Analysis using Excel" (DMCK/ECON/AD 11/2021 from 12th January 2022 to 22nd February 2022. The Course was about the usage of Excel for Data Analysis. This course can boost employability and career prospects as it is a useful tool to analyse data in everyday life, such as when managing personal finances and Excel is easily accessible software that is a valuable tool in all aspects of life and is considered critical for personal development. This course included practical classes in college computer lab, through which students got hands on experience and got idea on how to analyse simple time series data and interpret the results.

A total of 13 students took admission for the course. Starting from 12^a January 2022 there were 30 sessions conducted by Ms. Sony Jacob, Assistant Professor on Contract, P.G Department of Economics, Deva Matha College Kuravilangad. The sessions were divided into the following categories-

- 1. Introduction to Microsoft Excel (10 hours).
- 2. Excel Functions (5 hours)
- 3. Charts & Budget preparation (5 hours)
- 4. Data Analysis using Excel: Descriptive Statistics, Correlation & Regression (10 hours)

The session included 20 online classes and 8 offline classes including lab as a part of the course. Students were divided into 3 groups and they submitted a mini data analysis work using time series data and its interpretation as a practical work based on the course. Online Exam was conducted on 22^{11} February 2022. Overall, the success of the course was heightened by the enthusiasm and participation of students, support of Head of the Department, Dr. Elsamma Joseph and other department faculties.

Ms. Sony Jacob

Department Coordinator

Students List

| Sl. No. | Class No. | Name of the student |
|---------|-----------|-----------------------|
| 1 | 550 | AnandhakrishnanAchari |
| 2 | 551 | Jinto Joy |
| 3 | 552 | Manu A N |
| 4 | 553 | Melvin Francis |
| 5 | 554 | Abhirami K |
| 6 | 555 | Akhilamol Sebastian |
| 7 | 556 | Aleena Augustine |
| 8 | 557 | Devika Rajan |
| 9 | 558 | Radhika Santhosh |
| 10 | 559 | Renju Theresa Manuel |
| 11 | 560 | Seethalakshmi S |
| 12 | 561 | Sreelakshmi E R |
| 13 | 562 | Sruthymol P Baby |

Attendance: Add on Course

Data Analysis Using Excel

| ŧ | Class Number | Name | Percentage |
|----|--------------|-----------------------|------------|
| | 1 550 | AnandhaKrishnanAchari | 83.33% |
| | 2 552 | Manu A N | 100% |
| | 3 553 | Melvin Francis | 0% |
| | 4 551 | Jinto Joy | 96.67% |
| | 5 556 | Aleena Augustine | 83.33% |
| | 554 | Abhirami K | 86.67% |
| | 7 559 | Renju Theresa Manuel | 100% |
| | 8 558 | Radhika Santhosh | 100% |
| | 555 | Akhilamol Sebastian | 86.67% |
| 1 | 0 562 | Sruthymol P Baby | 100% |
| 1 | 1 561 | Sreelekshmi E R | 80% |
| 1: | 2 557 | Devika Rajan | 83.33% |
| 1 | 3 560 | Seethalakshmi S | 100% |

Offline Classes Attendance: Add on Course Data Analysis Using Excel

| ī | | 12-01-22 (intro) | 13-01-22 (offline) | 14-01-22 (offline) | | 19-02-2 | 22 | LAB | |
|----|------------------------|------------------|--------------------|--------------------|------------|---------|--------|---------|---------|
| Ħ | Name | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | AnandhaKrishnan Achari | Albu | Albu | Alle | 415 | Allo- | All | All- | All- |
| 2 | Manu A N | 200 | 16 | 359 | Ser- | 200 | 800 | age. | De |
| 3 | Melvin Francis | Absent | Absent | Absent | Absent | Absent | Absent | Absent | Absent |
| 4 | Jinto Joy | - Feb. | Absent | Jane 1 | THE | A. C. | 部 | 1 | 1999 |
| 5 | Alcena Augustine | Alex | She | Alm | Ale | Br | De | Her | AU |
| 6 | Abhirami K | On land | And I | OSEN . | Anni | Den | Ann | Aso | Acres 1 |
| 7 | Renju Theresa Manuel | 具 | 24 | 24 | 284 | 199 | 对 | 2004 | 200 |
| 8 | Radhika Santhosh | Produce. | Bedde | Rodbit | - Xudulton | Rodde | Booker | Rocker | Redd |
| 9 | Akhilamol Sebastian | WAR. | Marie 1 | Maria . | Marie | Age. | And | Man | 1000 |
| 10 | Sruthymol P Baby | Bent | - Sura | Sond | - SEAL | Sept. | Hand | - Stut | Cur |
| ii | Sreelekshmi E R | Calledon . | Gelegion | Absent | O July | Buch | Blak | (D) and | PA |
| 12 | Devika Rajan | De Kri | destes | Distr. | State . | James . | Spe | 1 | Care |
| 13 | Seethalakshmi S | cellabet | Seettable | Salkalaki | See Labe | Sette | Sellar | Section | 348 |

| | Attendance: Add-on Course | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---------------------------|----|-------|-------|-------|----|---|------------------|----|----|----|-------------------|----|----|----|----|--------------------|----|----|----|----|----------------------------------|----|
| Data Analysis using Excel | | | | | | | | | | | | | | | | | | | | | | | |
| | | 22 | 2-01- | -22 (| onlin | e) | | 29-1-22 (online) | | | | 5/2/2022 (online) | | | | | 12/2/2022 (online) | | | | | 22-02-22 (Exam & feedback) | |
| # | Name | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 29 | 30 |
| 1 | AnandhaKrishnanAchari | P | P | P | P | P | P | P | A | A | P | A | A | A | P | P | P | P | P | P | P | P | P |
| 2 | Manu A N | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 3 | Melvin Francis | A | A | A | A | A | A | Α | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |
| 4 | Jinto Joy | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 5 | Aleena Augustine | P | P | P | P | P | A | A | A | A | A | P | P | P | P | P | P | P | P | P | P | P | P |
| 6 | Abhirami K | P | P | P | P | P | P | A | A | A | A | P | P | P | P | P | P | P | P | P | P | P | P |
| 7 | Renju Theresa Manuel | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 8 | Radhika Santhosh | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 9 | Akhilamol Sebastian | P | P | P | P | P | P | A | A | A | A | P | P | P | P | P | P | P | P | P | P | P | P |
| 10 | Sruthymol P Baby | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 11 | Sreelekshmi E R | Α | A | A | A | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 12 | Devika Rajan | P | P | P | P | P | A | Α | A | A | A | P | P | P | P | P | P | P | P | P | P | P | P |
| 13 | Seethalakshmi S | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |

Test Scores

| # | Name | Marks obtained |
|----|-----------------------|----------------------|
| | | (Theory + Practical) |
| 1 | AnandhakrishnanAchari | 28+20 |
| 2 | Manu A N | 20+20 |
| 3 | Melvin Francis | - |
| 4 | Jinto Joy | 18+20 |
| 5 | Aleena Augustine | 30+20 |
| 6 | Abhirami K | 18+20 |
| 7 | Renju Theresa Manuel | 30+20 |
| 8 | Radhika Santhosh | 30+20 |
| 9 | Akhilamol Sebastian | 28+20 |
| 10 | Sruthymol P Baby | 30+20 |
| 11 | Sreelekshmi E R | 18+20 |
| 12 | Devika Rajan | 28+20 |
| 13 | Seethalakshmi S | 30+20 |

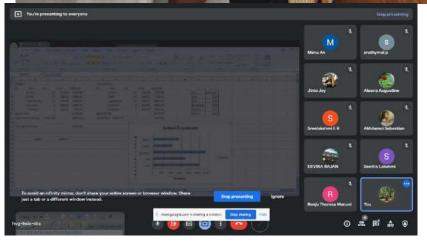


Lab sessions were arranged group wise

Online classes were also part of the session.





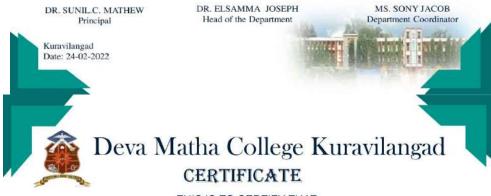




THIS IS TO CERTIFY THAT

Sruthymol P Baby

of I P.G. Econometrics has successfully completed the Add-on Course titled 'Data Analysis using Excel '(DMCK/ECON/AD 11/2021) conducted by P.G. Department of Economics of Deva Matha College Kuravilangad during the academic year 2021-2022 with "A" grade.



THIS IS TO CERTIFY THAT

Sreelakshmi E R

of I P.G. Econometrics has successfully completed the Add-on Course titled 'Data Analysis using Excel '(DMCK/ECON/AD 11/2021) conducted by P.G. Department of Economics of Deva Matha College Kuravilangad during the academic year 2021-2022 with "A" grade.

DR. SUNIL.C. MATHEW Principal

Kuravilangad Date: 24-02-2022 DR. ELSAMMA JOSEPH Head of the Department





Sold

Ms. Sony Jacob

Department Coordinator

Department of Economics

Principal
Deva Matha College
Kuravilangad - 686 633