

NSTITUTE OF HIGHER EDUCATION AND RESEARCH



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY No. 173, Agharam Road, Salaiyur, Channel , T.N . 600 073.

Requisition Letter

Date: 05.08.2020

From
Dr. K.P.Kaliyamurthie,
Professor & Head,
Department of CSE,
Bharath Institute of Higher Education and Research,
Chennai

To
The Dean Engineering,
Bharath Institute of Higher Education and Research,
Chennai

Respected sir

Subject: Request of Permission to conduct a value-added course on "Data Analysis Using Excel And Spss" (online) -Reg

With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course "Data Analysis Using Excel And Spss" -Reg in our campus premises on 10.08.2020, students would be participating in this course. We request you kindly to give permission to organize this event

Timing: 9:30 AM to 12:30 PM (FN) and 1:30 PM to 4:30 PM(AN) and Saturday (FN&AN).

Submitted to Principal for approval to organize this value-added course.

FIGAD GT DEPARTMENT

Department Of Corrector Defence & Engg.

Bharath Indition Of Science Societion & Fougarch

(Declared as Deemed to be University, Ur.S.) Of UGC Act, 1956) Chennal - 600 070, INDIA DEAN ENGINEERING

DEAN (Engineering)

Bharath Institute of Science & Technology
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S 3 of UGC Act. 1958)
Selaiyur, Chennai-600 073.



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed-to-be University under section 3 of UGC Act 1956)

CIRCULAR

07.08.2020

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Data Analysis using Excel And Spss** for the benefit of students. This course is scheduled from 10.08.2020 to 19.08.2020. The timings are 9:30 AM to 12:30 PM (FN) and 1:30 PM to 4:30 PM(AN) and Saturday (FN&AN).

| All Registered Students must attend all the classes without fail. The following faculty members are assigned to handle the | Name of the Faculty | Designation | |
|--|---------------------|---------------------|--|
| course. S.NO | Dr. C. Nalini | Professor | |
| 2 | Hrs. C. Anwadha | Assistant Professor | |

Head of Department

To

Copy to CSE

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HEAD OF DEPARTMENT

Department of Computer Science & English Bharath Institute 21 Science and the Science & Court (Declared as Department and the Court Act, CO.)

Chemia - 6/0 / J. 1.0-1.



CERTIFICATE COURSE ON Data Analysis using Excel And Spss Date of Introduction of the Course: 12.09.2020

COURSE SYLLABUS

1. Create an Excel report

This module explains how to create a report in Excel
Filtering and Formatting Data Charts
Excel Tables
Filtering Excel Data, Formatting, Excel Data,
Create excel Charts, Filter and format data, Create charts.

2. Create an Excel Table

create data tables in Excel, Excel Data Tables, Summarizing Data

3. Pivot Tables and Pivot Charts

Create an Excel Table, Summarize Excel Data Explain what Excel Data tables are Sort, filter, and validate data, Summarize data, Format summarized data.

4. Importing Data from a CSV File

Creating a Pivot Table, Creating a Pivot Chart, Editing Pivot Tables and Pivot Charts, Describe pivot tables and how to create them, Describe the various elements of a pivot chart, Edit pivot tables and pivot charts.

5. Dashboards

Arranging Tables and Charts, Slicing Data, Data Analysis, Describe a dashboard. Filter data using a slicer, Add calculated columns to a dashboard, Find anomalies.

6. Creating Hierarchies

. Hierarchies, Time ,DataCreate a Hierarchy,Configure Time data,Create an Animated Time Chart

7. The Excel Data Model

This module explores the Excel data model and looks at ways of extending it.

8. Explore an Excel Data Model

Explain an Excel Data Model and how to use it.

9. Add Multiple Tables

Import External Data and use it.

10. Create Relationships

Link out to external data.

11.Add External Data

Etxternal data is to extend it

COURSE OBJECTIVES

To learn and analyse and visualize data in R and learn to perform frequentist and Bayesian statistical inference and modelling to understand natural phenomena and make databased decisions.

Specifically, the course has the following objectives: Students will learn

- 1. Understanding Filtering Excel Data, Formatting.
- 2. Understanding External Data.
- 3. Charts, Slicing Data, Data Analysis .
- 4. Arranging Tables and Charts, Slicing Data.
- 5. Import External Data and use it.
- 6. Excel Table, Summarize Excel Data

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT

Department Of Computer Science & Engg., Bharath Institute Of Higher Editiontion & Research (Doctared as Deemed to be University U/S 3 Of UGC Act, 1956) Chennai - 600 073, INDIA



INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed-to-be University under section 3 of UGC Act 1956)

CERTIFICATE COURSE Short term course on DATA ANALYSIS USING EXCEL AND SPSS

Date of Introduction of the Course: 12.09.2020

The timings are 9:30 AM to 12:30 PM (FN) and 1:30 PM to 4:30 PM(AN) Saturday (FN&AN).

Time Table & Lesson plan

| CLASS | DATE | TOPIC |
|-------|--------------------|--|
| 1 | 10-08-2020 (FN) | 1. Create an Excel report Filtering and Formatting Data Charts Excel Tables Filtering Excel Data, Formatting, Excel Data, Create excel Charts, Filter and format |
| 2 | 11-08-2020 (FN) | 2. Create an Excel Table create data tables in Excel, Excel Data Tables, Summarizing Data |
| 3 | 12-08-2020 (FN) | 3. Pivot Tables and Pivot Charts Create an Excel Table, Summarize Excel Data |
| 4 | 13-08-2020 (FN) | 4 Importing Data from a CSV File Creating a Pivot Table, Creating a Pivot Chart, Editing |
| 5 | 14-08-2020 (FN) | 5 Dashboards Arranging Tables and Charts, Slicing Data, Data Analysis |
| 6 | 15-08-2020 (FN) | 6. Creating Hierarchies Hierarchies, Time, DataCreate a Hierarchy |
| 7 | 15-08-2020 (AN) | 7 The Excel Data Model Time data, Create an Animated Time Chart |

| 8 | 17-08-2020 (FN) | 8. Explore an Excel Data Model Excel Data Model and how to use it. |
|----|--------------------|--|
| | | 9. Add Multiple Tables Import External Data and use it. |
| 9 | 18-08-2020 (FN) | 10. Create Relationships Link out to external data. |
| 10 | 19-08-2020 (FN) | 11.Add External Data Etxternal data is to extend it |

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT

Department Of Computer Science & Engy.,

Bharath Institute Of Higher Education & Research

(Declared as Deemed to be University U/S 3 Of UGC Act, 1956)

Chennal - 600 973, INDIA



Sharath INSTITUTE OF HIGHER EDUCATION AND RESEARCH (Declared as Deemed-to-be University under section 3 of UGC Act. 1956) (Vide Notification No. F.9-5/2000 U.3. Ministry of Human Resource Development, Govt. of India. dated 4° July 2002)

| | | RTMENT OF COMPUTER SCIENCE AND ENGINEERING | | | | | | |
|-------|----------|--|---------------|--|--|--|--|--|
| | | Date of Introduction of the Course: 12.09.2020 | | | | | | |
| | | B.Tech Computer Science and Engineering | | | | | | |
| | | Introduction to DataAnalysis using Excel Spss | | | | | | |
| S. No | REG.NO | REG.NO NAME OF THE CANDIDATE | | | | | | |
| 1 | U15CS001 | ABHIJEET KUMAR | | | | | | |
| 2 | U15CS002 | ABHIJIT KUMAR GUPTA | | | | | | |
| 3 | U15CS003 | ABHISHEK KUMAR SINGH | | | | | | |
| 4 | U15CS004 | ALLU SAI SIVA PRIYANKA NAIDU | | | | | | |
| 5 | U15CS005 | AMBIKE KUMAR SINGH | | | | | | |
| 6 | U15CS006 | ANBUMANI S | | | | | | |
| 7 | U15CS007 | ANJAR ALI | | | | | | |
| 8 | U15CS008 | ANKAM MANJUNATH | | | | | | |
| 9 | U15CS009 | ANNADI DHANUSH | | | | | | |
| 10 | U15CS010 | ANNAVARAPU DIVYA | | | | | | |
| 11 | U15CS011 | ANUMOLU YESWANTH | | | | | | |
| 12 | U15CS012 | ARAVAPALLI SIVA VINAYA | | | | | | |
| 13 | U15CS013 | ARAVINDHAN K R | | | | | | |
| 14 | U15CS014 | ARVIND KUMAR YADAV | | | | | | |
| 15 | U15CS015 | ARYAN SAHU | | | | | | |
| 16 | U15CS016 | ASHISH AGARWAL | | | | | | |
| 17 | U15CS017 | ASHISH RANJAN | | | | | | |
| 18 | U15CS018 | ATTANTI RAVIKANTH | | | | | | |
| 19 | U15CS019 | BANAVATH SUNIL NAIK | | | | | | |
| 20 | U15CS020 | BANDARU RAMESH | | | | | | |
| 21 | U15CS021 | BATTA SIVA PRASAD | | | | | | |
| 22 | U15CS022 | BHARATH K | | | | | | |
| 23 | U15CS023 | BHARATHI V | | | | | | |
| 24 | U15CS024 | BIKKI KUMAR SHA | | | | | | |
| 25 | U15CS025 | BINGEWAR SAISHARAN | | | | | | |
| 26 | U15CS026 | BIRADAVOLU SUCHARITHA | | | | | | |
| 27 | U15CS027 | BODA AKHIL WESLEY | - | | | | | |
| 28 | U15CS028 | BONALA SRIDHAR RAO | | | | | | |
| 29 | U15CS029 | BRYAN STEVE PUSHPARAJ I | | | | | | |
| 30 | U15CS234 | DUVVURU SUNEESH KUMAR | | | | | | |
| 31 | U15CS235 | ASHWIN VISHAL A | $\overline{}$ | | | | | |
| 32 | U15CS236 | MALKANNAGARI HARSHAVARDHAN REDDY | - | | | | | |
| 33 | U15CS237 | BUDDI VAMSI | | | | | | |

| 34 | U15CS238 | VATHADI SWAMYVENKATESH | |
|----|----------|------------------------------------|--|
| 35 | U15CS239 | AVINASH KUMAR | |
| 36 | U15CS240 | YUGESH S | |
| 37 | U15CS030 | CHAKKA KSHITHIJA | |
| 38 | U15CS031 | CHAMARTHI LAKSHMI NARAYANA AVINASH | |

Course Coordinator

HEAD OF DEPARTMENT
Department of Connector Science & EnglaBharath Institute Of Higher Education & Research
(Declared as Deemed to be University UIS 3 Of UGC Act, 1934)
Chennal - 600 073, INDIA

COURSE FEEDBACK FORM

| Acad | emic Ye | аг | 2020-2021 | | | | | | | | | |
|-----------------|---------------------------------|--|----------------|-----------------------------|---------------|----------------|--------|---------|---|--|--|--|
| Term | | | 2020 2021 | | | | | | | | | |
| | se Numb | ner . | | | | | | | | | | |
| | se Title | | Data Analy | eis usino E | veel and Sn | 155 | | | | | | |
| 124,422,411,911 | ber of Ci | -adite | Data Analy | alysis using Excel and Spss | | | | | | | | |
| 7405/751100 | 700.00 (3.102.50 | 7.00 (NO.100) | | Elect | ive | | Add-on | | | | | |
| Type | of Cour | se Regular | | Elect | IVC | | | | | | | |
| 1. | Inform | nation on the Respon | ident: (Tick (| √) Appropr | iately) | | | | | | | |
| 1. | Percei | Percentage of classes attended | | | | | | | | | | |
| | 0-20 | | 0-40 | 4 | 0-60 | 60-80 | 4/ | 80-100 | | | | |
| 2. | Numb | er of hours per week | spent on the | course (Ot | her than lect | ure hours) | | | | | | |
| | 0-2 | 2- | | | -6 | 6-8 | | 8-10 | | | | |
| | | | | | | | | | | | | |
| 3. | | ration for the course | | | | | | | | | | |
| | (i) | Have done part of t | | | | 76 | | | | | | |
| | (ii) | Has adequate prior exposure to the prerequisites | | | | | | | | | | |
| | (iii) | Had to pickup relev | | | | | 70 | | | | | |
| | (iv) | (iv) Have no exposure to the background material | | | | | | | | | | |
| 4. | The ex | The expectations for taking the course by the student are: | | | | | | | | | | |
| | (a) | | | | | | | | | | | |
| | (b) | Get exposed to a re | levant subject | 4CS No | | | | | | | | |
| | (c) | Curiosity | | 70 | | | | | | | | |
| | (d) | Better Employment | Opportunity | | | Yes | | | | | | |
| | (e) | Complete Course re | equirements | | Yes | | | | | | | |
| | (f) | To Improve CGPA | | | | | 'yes | | | | | |
| Abou | ut the In | structor: Informatio | n on the Resp | ondent: (Ti | ck (√) Appro | priately) | | | | | | |
| | | | | A | В | С | D | | E | | | |
| 1. | Pace o | f the Teaching/lecture | | ~ | | | | | | | | |
| 2. | Comm | ent of the Subject | | / | | | | | | | | |
| 3. | Clarity | of expression | | ~ | | | | | | | | |
| 4. | Level | of preparation | | / | | | | | | | | |
| 5. | Level | of interaction | | V | | | | | | | | |
| 6. | Accessibility outside the class | | | | | | | | | | | |
| 7. | Others | (please specify | | | ~ | | | | | | | |
| A: E | xcellent | B: Very | Good | C: Good | | D: Satisfactor | ту | E: Poor | | | | |

HEAD OF THE DEPARTMENT

HE CO OF DEPARTMENT

Papartment St. A. A. Engr.

Ensultance College and A. Engr.

[Doctared as Deemed to be unit of the College Act, 1953]

Chennal - 600 College.

COURSE FEEDBACK FORM

| Academic Year 2020-2021 | | | | | | | | | | | | |
|-------------------------|------------|--|---------------|-------------|-----------------|-------------|---------------|------------|---------|---|--|--|
| Term | | | | | | | | | | | | |
| Cour | se Numbe | er | | | | | | | | | | |
| Cour | se Title | | Data | Analy | sis using F | xcel and S | nss | | | | | |
| Num | ber of Cre | edits | | | olo dollig L | Acci and 5 | pos | | | | | |
| Туре | of Cours | e Regular | | | Flect | ive | | Add-on | | / | | |
| | | | | | Elective Add-on | | | | | | | |
| l. | Inform | ation on the Re | spondent: (| (Tick (| √) Appropr | iately) | | | | | | |
| 1. | Percen | Percentage of classes attended | | | | | | | | | | |
| | 0-20 | | 20-40 | | 4 | 0-60 | 60-80 | | 80-100 | | | |
| | 1 | | | | | | | | | | | |
| 2. | _ | er of hours per | | on the | | | ture hours) | | | / | | |
| | 0-2 | | 2-4 | | 4 | -6 | 6-8 | | 8-10 | / | | |
| 3. | Prepar | ation for the co | urse by the | studen | ıt: | | | | | | | |
| | (i) | Have done par | t of this cou | rse earl | ier | | | . 10 | | | | |
| | (ii) | Has adequate prior exposure to the prerequisites | | | | | | | | | | |
| | (iii) | | | | | | ent study | | | | | |
| | (iv) | , , , , , , , , , , , , , , , , , , , | | | | | | yes Yes | | | | |
| 4. | The ex | The expectations for taking the course by the student are: | | | | | | | | | | |
| | (a) | (a) Enhance by skill best in the same of annializations | | | | | | | | | | |
| | (b) | Get exposed to | a relevant s | ubject | | | 4cs | | | | | |
| | (c) | Curiosity | | | | | | | | | | |
| | (d) | Better Employ | ment Oppor | tunity | | | No. | | | | | |
| | (e) | Complete Cou | rse requirem | equirements | | | | | | | | |
| | (f) | To Improve Co | GPA | | | | | 20 | | | | |
| Abo | ut the Ins | tructor: Inform | ation on th | e Resp | ondent: (Ti | ck (√) Appr | opriately) | 100 | | | | |
| | | | | | A | В | C | D | | E | | |
| 1. | Pace of | the Teaching/lea | cture | | ~ | | | | | | | |
| 2. | Comme | Comment of the Subject . | | | | | | | | | | |
| 3. | Clarity | y of expression | | | | | | | | | | |
| 4. | Level o | f preparation | | | / | | | | | | | |
| 5. | Level o | vel of interaction | | | | | | | | | | |
| 6. | Accessi | cessibility outside the class | | | | | | | | | | |
| 7. | Others | please specify | | | / | | | | | | | |
| , - | | / - | C 1 | Т | C. C | | D. C. V. C. | | P P | | | |
| A: E | xcellent | B: \ | Very Good | | C: Good | | D: Satisfacto | ry | E: Poor | 1 | | |

HEAD OF THE DEPARTMENT

COURSE FEEDBACK FORM

| Acad | emic Yea | r | 2020-20 | 2020-2021 | | | | | | | | |
|-------|---|--|--|------------------|---------------|---------------|--------|---------|---|--|--|--|
| Term | | | | | | | | | | | | |
| Cours | se Numb | er | | | | | | | | | | |
| Cour | se Title | | Data Ar | nalysis using E | Excel and Sp | 955 | | | | | | |
| Numl | ber of Cr | edits | | A | | | | | | | | |
| Type | of Cours | e Regular | | Elect | ive | | Add-on | | | | | |
| | | | | | | | | | | | | |
| I. | Inform | ation on the Res | n the Respondent: (Tick (√) Appropriately) | | | | | | | | | |
| 1. | Percentage of classes attended | | | | | | | | | | | |
| • | 0-20 | tage of classes at | 20-40 | 1., | 10-60 | 60-80 | T | 80-100 | | | | |
| | 0 20 | | 20-40 | | +0-00 | 00-80 | | 80-100 | | | | |
| 2. | Numbe | er of hours per w | eek spent on | the course (Ot | her than lect | ure hours) | | | | | | |
| | 0-2 | | 2-4 | 4 | 1-6 | 6-8 | | 8-10 | | | | |
| _ | | | | | | | | | | | | |
| 3. | | Preparation for the course by the student: (i) Have done part of this course earlier | | | | | | | | | | |
| | (i) | | | | • | , Ne | 100 | | | | | |
| | (iii) | iii) Has adequate prior exposure to the prerequisites iii) Had to pickup relevant additional topics through concurrent study | | | | | | | | | | |
| | (iv) | Have no exposu | | | -70 | it study | es | | | | | |
| | (10) | riave no exposu | ie to the back | ground materia | • | | 70 | | | | | |
| 4. | The ex | The expectations for taking the course by the student are: | | | | | | | | | | |
| | (a) | Enhance by skill | base in the a | rea of specializ | NO | | | | | | | |
| | (b) | Get exposed to a | relevant sub | | Yes | | | | | | | |
| | (c) | Curiosity | | portunity Yes | | | | | | | | |
| | (d) | Better Employm | ent Opportun | | | | | | | | | |
| | (e) | Complete Cours | e requirement | ts | | | No | | | | | |
| | (f) | To Improve CGI | | | | | 20 | | | | | |
| Abou | it the Ins | tructor: Informa | tion on the R | | _ | | | | | | | |
| | | | | A | В | С | D | | E | | | |
| 1. | | the Teaching/lectu | ıre | | - | | | | | | | |
| 2. | | Comment of the Subject | | | | | | | | | | |
| 3. | 100000000000000000000000000000000000000 | of expression | | | | | - | | | | | |
| 4. | | f preparation | | | | | | | | | | |
| 5. | Level of interaction | | | | | | | | | | | |
| 6. | | bility outside the o | ciass | | | - | | | | | | |
| 7. | Others | please specify | | | | | | | | | | |
| A: Ex | cellent | B: Ve | ry Good | C: Good | i | D: Satisfacto | ry | E: Poor | - | | | |
| | | ~ | | | | 1 | | | | | | |

HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT

Department 2

Energy (Cocclared as Discretizations of Chemnal Legisland Chemnal Chem

