ATAL FDP – 3rd to 10th January 2024

"Data Analysis Techniques for Qualitative and Quantitative Research"

The FDP on "Data Analysis Techniques for Qualitative and Quantitative Research" was conducted from January 3 – 10, 2024 at Crescent School of Business, B.S. Abdur Rahman Crescent Institute of Science & Technology, Chennai – 600 048. A total of 50 participants attended the workshop from various institutions.

The resource persons who delivered lectures and conducted workshop include:

Dr.Jayanth Jacob, Professor, Department of Management Studies, Anna University, Chennai

Mr. Vijayalaya Srinivas T., Head & Assistant Professor - Psychology, CHRIST (Deemed to be University), Bengaluru

Dr. M. Ramakrishnan, Associate Professor, Department of Mathematics, RKM Vivekananda College, Chennai

Dr.K. Mohammed Jasim, Assistant Professor, VIT Business School, VIT, Vellore

The schedule of the FDP is as follows:

Day / Time	9:30 am – 12:30 pm	12:30 pm – 1:30 pm	1:30 pm – 4:30 pm	4:30 pm - 5:30 pm
Day 1 (03.01.'24) Wednesday	Session 1 - Introduction to Nvivo (Including Practical session of half-an-hour)	LUNCH BREAK	Session 2 - Importing the Data to Nvivo (Including Practical session of half-an-hour)	Article Discussion
Day 2 (04.01.'24) Thursday	Session 3 - Organizing the Data in Nvivo (Including Practical session of half-an-hour)		Session 4 - Exploring the Data in NVivo (Including Practical session of half-an-hour)	Article Discussion
Day 3 (05.01.'24) Friday	Session 5 – Jamovi (Including Practical session of half-an-hour)		Session 6 – Smart PLS (Including Practical session of half-an-hour)	Article Discussion
Day 4 (08.01.'24) Monday	Session 7 – Statistical Concepts and its Application (Including Practical session of half-an-hour)		Session 8 – Analysing Data with SPSS (Univariate, Bivariate & Non-Parametric Tests) (Including Practical session of half-an-hour)	Article Discussion
Day 5 (09.01.'24) Tuesday	Session 9 – Multi-Variate Analysis (Including Practical session of half-an-hour)		Session 10 – Structural Equation Modelling & Confirmatory Factor Analysis using AMOS (Including Practical session of half-an-hour)	Reflective Journal
Day 6 (10.01.'24) Wednesday	Industrial Visit		MCQ (1:30 – 2:30) Feedback & Interactions (2:30 – 3:30) Valedictory session (3:30 – 4:30)	

The following are the participants who had registered for the FDP

S.NO.	NAME	DESIGNATION	INSTITUTE NAME
1	DR. B. SENTHIL	ASSOCIATE PROFESSOR	JERUSALEM COLLEGE OF ENGINEERING
2	MR. VINOTH KUMAR S	RESEARCH SCHOLAR	PATRICIAN COLLEGE OF ARTS AND SCIENCE CHENNAI
3	DR. UNIKA D	ASSOCIATE PROFESSOR	PATRICIAN COLLEGE OF ARTS AND SCIENCE CHENNAI
4	MR. ANAND BHARATHI S	RESEARCH SCHOLAR	ALAGAPPA UNIVERSITY
5	MRS. SNEHA LYDIA S	RESEARCH SCHOLAR	PATRICIAN COLLEGE OF ARTS AND SCIENCE CHENNAI
6	DR. KANIPRIYA M	ASSISTANT PROFESSOR	SRM INSTITUTE OF SCIENCE & TECHNOLOGY
7	DR. A SHERYL OLIVER	ASSISTANT PROFESSOR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
8	MRS. AJANTHAA LAKKSHMANAN	ASSISTANT PROFESSOR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
9	DR. KALPANA A V	ASSISTANT PROFESSOR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
10	DR. RAMPRASATH	ASSISTANT PROFESSOR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
11	DR. K.VIJAYALAKSHMI	ASSISTANT PROFESSOR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
12	DR. K.ARTHI	ASSOCIATE PROFESSOR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
13	DR. S.SUCHITRA	ASSOCIATE PROFESSOR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
14	DR. MAHESHWARI.A	ASSISTANT PROFESSOR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
15	MR. RENUKADEVI P	ASSISTANT PROFESSOR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
16	DR. SUMATHY G	ASSISTANT PROFESSOR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
17	DR. AMUTHA B	PROFESSOR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

18	DR. M KANCHANA	ASSOCIATE PROFESSOR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
19	DR. THAMIZHAMUTHU	ASSISTANT PROFESSOR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
20	DR. SHERIN SHIBI	ASSISTANT PROFESSOR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
21	DR. S P MANIRAJ	ASSISTANT PROFESSOR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY RAMAPURAM
22	DR. J SHOBANA	ASSISTANT PROFESSOR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
23	MRS. SARANYA M	RESEARCH SCHOLAR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, KATTANKULATHUR
24	MR. PANDIAN	RESEARCH SCHOLAR	NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI
25	DR. HMOIDEEN BATCHA	ASSISTANT PROFESSOR(SR.G)	B S A CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY
26	DR. PRADEEP SUDHAKARAN	ASSOCIATE PROFESSOR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
27	DR. PRASANNA S	ASSISTANT PROFESSOR	B S A CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY
28	DR. SARAVANAN S	ASSISTANT PROFESSOR	B S A CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY
29	MRS. DINISHA	RESEARCH SCHOLAR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
30	DR. SUDHAGAR	ASSOCIATE PROFESSOR	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
31	MR. R VENKATESH	ASSISTANT PROFESSOR	B S A CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY
32	DR. PRIYA R	ASSISTANT PROFESSOR	B S A CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY
33	DR. JOSEPH MARY RAHILA	ASSISTANT PROFESSOR	B S A CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY
34	DR. TAKHELLAMBAM ROCKY DEVI	ASSISTANT PROFESSOR (SEL. GR.)	B S A CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY
35	DR. BHUVANESWARI S	ASSISTANT PROFESSOR	B S A CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY
36	DR. RITU GANGIL	ASSISTANT PROFESSOR	B S A CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY

37	DR. RAFIYA BANU	ASSISTANT PROFESSOR	B S A CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY
38	MISS ANJU M	RESEARCH SCHOLAR	B S A CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY
39	DR. JOSHUA DANIEL EGAN L	ASSISTANT PROFESSOR	B S A CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY
40	MR. NISAMUDHEEN P P	RESEARCH SCHOLAR	B S A CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY
41	MRS. PEARLY B	ASSISTANT PROFESSOR	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
42	DR. RABIYATHUL BASARIYA	ASST PROFESSOR	B S A CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY
43	MR. SIVAKUMAR S	ASSISTANT PROFESSOR	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
44	DR. AR ARUNARANI	ASSISTANT PROFESSOR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
45	MR. PRABU R	ASSISTANT PROFESSOR	BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH
46	MISS SABA KHAN	RESEARCH SCHOLAR	B S A CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY
47	MRS. R.BRINDHA	ASSISTANT PROFESSOR	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
48	MR. SUDARSHAN S	RESEARCH SCHOLARS	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
49	MISS HRIDAYAMA DEV VARMA	RESEARCH SCHOLARS	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

Day 1(03.01.2024)

Day 1 of the FDP started with the inauguration. After the inaugural session, Prof. Vijayalaya Srinivas took over the session. The first session focussed on introducing NVivo tool, which is a software used to analyse qualitative data. During the second session, the participants were provided with hands on training towards importing data in NVivo for further analysis.

Day 2(04.01.2024)

On day 2 of the FDP Prof. Vijayalaya Srinivas provided hands on training to the participants on organizing and exploring the data using NVivo. The 2-day session on NVivo by Prof. Vijayalaya Srinivas ended with vote of thanks by one of the participants.

Article Discussion:

Dr. S. Panboli and Dr. J. Hemalatha discussed about the reflective journal article with the participants. They also instructed the participants as to how to analyse the article taking input from the FDP. Participants were divided into groups and allowed to discuss the article. A sample copy of the article discussion was given to the participants. Article discussion took place from 03.01.2024 to 08.01.2024 from 4.30 pm to 5.30 pm. On the final day of the FDP, all the teams presented their article discussion and submitted the same.

Day 3(05.01.2024)

On day, 3 of the FDP, 2 different sessions took place. The first session was handled by Dr.Jayanth Jacob. Dr.Jayanth Jacob trained the participants on using the open-source software Jamovi for analysing quantitative data.

Dr. Mohammed K. Jasim handled the next session. Dr. Mohammed K. Jasim trained the participants on using SmartPLS software for analysing quantitative data.Dr.Mohamme K. Jasim has been invited on behalf of Dr.Harindranath as he was unable to come as a resource person due to the sudden demise of his sister in Kerala.

Day 4 & 5 (08.01.2024 &09.01.2024)

On day 4 of the FDP, Dr. M. Ramakrishnan handled the session. He initially introduced the various statistical concepts and their application in social and management science. He also provided training on entering variables and data in SPSS, conducting preliminary analysis like normality tests, descriptive statistics and Exploratory factor analysis (EFA).In the afternoon session, he provided hands on training on using SPSS software to analyse quantitative data. A variety of univariate, bivariate and non-parametric tests were carried out using sample data in SPSS.

On day 5 of the FDP, Dr. M. Ramakrishnan trained the participants on using SPSS software to carry out multi variate analysis like correlation and regression. In the next session, participants were taught to carry out Confirmatory Factor Analysis (CFA) and Structural Equation Modelling (SEM) using SPSS AMOS software. One session to be handled by Dr. S. Ravanan was handled by Dr. M. Ramakrishnan. Dr. S. Ravanan was unable to come for the session due to health issues.

Day 6 (10.01.2024)

On day 6 of the FDP, the participants were taken for an industry visit to IIT Madras Research Park where they had an opportunity to observe many live research projects are taking place. Finally, the session ended up with the participants attempting the assessment of the previous sessions' topics and providing feedback.

Sample Feedback

Feedback Details

Thrust Area :	
Sub-thrust Area :	N/A
FDP Title :	"Data Analysis Techniques for Qualitative and Quantitative Research"
FDPs held at (Institute/Organisation Name) :	B S Abdur Rahman Crescent Institute of Science & Technology
From:	2024-01-03
To :	2024-01-10
Course Code:	1690947520

Ratings have been provided on a **5-point scale.**

1. You strongly disagree with the statement
2. You disagree with the statement
3. You neither agree nor disagree with the statement
4. You agree with the statement

About the Content of the FDPs	
The FDPs Workshop content was relevant for me	4
The content of the FDPs Workshop was very comprehensive	5
The content of the FDPs Workshop was not repeated	5
The OVERALL content of the FDPs was excellent	5
About Trainers and Teaching	
The trainers had very strong expertise in the area	5
The trainers had excellent communication skills	5
All the trainers made the FDPs very interesting	5
The trainers were very well prepared for the FDPs	4
About the FDPs Workshop	
The FDPs timings were very convenient	4

About the FDPs Workshop

The FDPs timings were very convenient	4
The pedagogy used in the FDPs Workshop was very appropriate	5
There were sufficient breaks in between sessions	5

Workshop Assessment

The FDPs assessment was very suitable	5
The FDPs assessment was not at all difficult	3

Administrative Support

I did not face any connectivity issue because of the portal	5
The Audio and Video quality were excellent	5
The registration process was extremely efficient and smooth	5
The ATAL academy website is easy to navigate	5
Information about ATAL academy was easily available	5

The ATAL academy website is easy to navigate	5
Information about ATAL academy was easily available	5

OVERALL – how would you rate the FDPs Workshop

Considering your overall with the FDPs Workshop, how likely are you to recommend the FDPs Workshops conducted by ATAL academy to your friend or colleague? **This question is answered on a 10-point scale with 1 being Highly UNLIKELY to Recommend and 10 being Will definitely Recommend**	9

Resource Persons

1st Best resource person/faculty:	Jayanth Jacob
2nd Best resource person/faculty:	Vijayalaya Srinivas T