

# Value Added Courses

## Workshop on Use of Software Application in Educational Research- M.Phil Course Work



**National Institute of Educational Planning and Administration**

**17-B, Sri Aurobindo Marg New Delhi -110016**

## M.Phil Course Work

### Guidelines for the Use of Software Applications in Educational Research

#### 1. Title of the Course: Use of Software Application in Educational Research

#### 2. Introduction

The role that technology plays in one's life cannot be ignored in today's day and time. Similarly the role of technology in research has not only enhanced its output but has also made analysis more comprehensive in a timely and accurate fashion. To help the research students in NUEPA build their research capacity, analytical skills, manage large scale data and use the appropriate methods in analysing data, a workshop on the *Use of Software Applications in Educational Research* will be conducted. The workshop will be a mandatory non credit workshop for the M.Phil students in their third semester.

The workshop is an extension to the two courses on Research Methodology being conducted in the first and second semester. Therefore the workshop will not only further develop the technical skills of the students but also give them an in-depth knowledge of data analysis using appropriate software and tools.

#### 3. Learning Objectives

The course will be conducted with the following objectives:

- To acquaint the participant with the different types of software packages available for social science research.
- To train the students to handle large data sets using software applications.
- To train the students to use appropriate methods in analysing quantitative data.
- To provide the students with hands on training in using computers.

#### 4. Course Contents (Tentative)

The following themes will be discussed in the workshop

- Introduction to the use of Computers in Educational Research
- Use of large scale data in educational research
- Introduction to software programs for Statistical Analysis (SPSS, STRATA, etc.)
- Creating and Editing data file
- Managing and Transforming the data
- Univariate Analysis
- Correlation

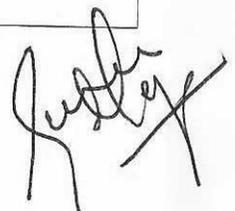
- Introduction to different software programs for Qualitative Analysis – NVivo, ATLAS ti, etc.

## **5. Methodology**

The main purpose of the course is to help students' gets a practical experience in using the computer and its related software for conducting research. Therefore the course will follow a mixed method of transaction that includes lectures and practical exercises, but a greater emphasis will be on the practical aspect as the students need to get hands on experience in handling data on the computer. As the course is a follow-up to the Research Methodology courses the practical use and applicability of the methods taught earlier will be the main focus. Students will begin with the basics of Excel and SPSS, wherein they will be given some real data sets that they will have to enter, sort, edit, tabulate, run and analyse during the workshop.

**Timetable**  
**M.Phil Workshop: Use of Software Application in Education Research**  
**July 03- 07, 2017**

	9:45 to 11:30	11:45 to 13:00	14:00 to 14:00
<b>Monday</b> <b>03.07.2017</b>	Understanding Data Characteristics (Dr. Suman Negi)	Introduction to Educational Data Sources (Dr. Suman Negi)	Practical Sessions
<b>Tuesday</b> <b>04.07.2017</b>	Introduction to Microsoft Excel (Dr. Suman Negi)	Introduction to Microsoft Excel (Dr. Suman Negi)	Practical Sessions
<b>Wednesday</b> <b>05.07.2017</b>	Introduction to Software Packages for Quantitative Analysis (Dr. Abhay Kumar)	Data Management Using SPSS (Dr. Abhay Kumar/ Dr. Suman Negi)	Practical Sessions
<b>Thursday</b> <b>06.07.2017</b>	Univariate Analysis and Graphical Representation using SPSS (Dr. Abhay Kumar/Dr. Suman Negi)	Bivariate Analysis using SPSS (Dr. Abhay Kumar/ Dr Suman Negi)	Practical Sessions
<b>Friday</b> <b>07.07.2017</b>	Multivariate Analysis using SPSS (Prof. Mona Khare)	Multivariate Analysis using SPSS (Prof. Mona Khare)	Practical Sessions



**M.Phil Workshop: Use of Software Application in Education Research**

**Timetable-Week II**

**July 10-14, 2017**

	<b>9:45 to 11:30</b>	<b>11:45 to 13:00</b>	<b>14:00 to 17:00</b>
<b>Monday 10.07.2017</b>	Introduction to Large Data Base (Prof. A.C.Mehta)	Introduction to Large Data Base (Prof. A.C.Mehta)	Practical Sessions
<b>Tuesday 11.07.2017</b>	Practical Sessions	Practical Sessions	Use of IT in Qualitative Research (Dr. Vigneshwara I.P) <i>4:00 PM onwards</i>
<b>Wednesday 12.07.2017</b>	Use of Nvivo in Qualitative Research (Dr. Vigneshwara I.P)	Use of Nvivo in Qualitative Research (Dr. Vigneshwara I.P)	Practical Sessions
<b>Thursday 13.05.2017</b>	Introduction to R (Dr. Deepayan Sarkar)	Introduction to R (Dr. Deepayan Sarkar)	Practical Sessions
<b>Friday 14.07.2017</b>	Introduction to R (Dr. Deepayan Sarkar)	Introduction to R (Dr. Deepayan Sarkar)	Practical Sessions



**Timetable**  
**M.Phil Workshop: Use of Software Application in Education Research**

	9:45 to 11:30	11:45 to 13:00	14:00 to 14:00
<b>Monday</b> <b>04.11.2017</b>	<b>Understanding Data Characteristics</b> (Suman Negi)	<b>Introduction to Educational Data Sources</b> (Suman Negi)	Practical Sessions
<b>Tuesday</b> <b>05.11.2017</b>	<b>Introduction to Microsoft Excel</b> (Suman Negi)	<b>Introduction to Microsoft Excel</b> (Suman Negi)	Practical Sessions
<b>Wednesday</b> <b>06.11.2017</b>	<b>Introduction to SPSS Interfaces</b> (Suman Negi)	<b>Data Entry and Data Import from other Sources</b> (Suman Negi)	Practical Sessions
<b>Thursday</b> <b>07.11.2017</b>	<b>Data Management Using SPSS</b> (A.N Reddy)	<b>Univariate Analysis and Graphical Representation using SPSS</b> (A.N Reddy)	Practical Sessions
<b>Friday</b> <b>08.11.2017</b>	<b>Bivariate Analysis using SPSS</b> (A.N Reddy)	<b>Multivariate Analysis using SPSS</b> (A.N Reddy)	Practical Sessions



**Timetable- 1<sup>st</sup> Week**

**M.Phil Workshop: Use of Software Application in Education Research**

*Venue: Room No. 333 – Third Floor*

	9:45 to 11:30	11:45 to 13:00	14:00 to 16:00
<b>Monday</b> 02.09.2019	<b>Understanding Data Characteristics</b> (Suman Negi)	<b>Introduction to Educational Data Sources</b> (Suman Negi)	Practical Sessions
<b>Tuesday</b> 03.09.2019	<b>Introduction to Microsoft Excel</b> (Suman Negi)	<b>Introduction to Microsoft Excel</b> (Suman Negi)	Practical Sessions
<b>Wednesday</b> 04.09.2019	<b>Introduction to SPSS Interfaces</b> (A.N Reddy)	<b>Data Entry and Data Import from other Sources</b> (A.N Reddy)	Practical Sessions
<b>Thursday</b> 05.09.2019	<b>Data Management Using SPSS</b> (A.N Reddy)	<b>Univariate Analysis and Graphical Representation using SPSS</b> (A.N Reddy)	Practical Sessions
<b>Friday</b> 06.09.2019	<b>Bivariate Analysis using SPSS</b> (A.N Reddy)	<b>Multivariate Analysis using SPSS</b> (A.N Reddy)	Practical Sessions



**Timetable- 2<sup>nd</sup> Week**

**M.Phil Workshop: Use of Software Application in Education Research**

*Venue: Room No. 333 – Third Floor*

**Prof. Nakkeeran: Introduction to Atlas Ti- Date : 18<sup>th</sup> September, 2019. Time: 1400- 1700 hrs. (Venue Room No. 333)**

**Ms. Kalpana Jamwal and Ms. Deepa Gupta: Hands on practical sessions on Atlas Ti: 1000-1300 hrs. (Venue Room No. 333)**

**Prof. Nakkeeran: Introduction to Atlas Ti- Date: 20<sup>th</sup> September, 2019. Time: 1400- 1700 hrs. (Venue Room No. 333)**

Dr Divvyaa Bajpai four sessions on NVivo. The slots are as follows.

**Date : 11<sup>th</sup> September, 2019. Time: 1000- 1300 hrs. (Venue Room No. 333)**

**Date: 12<sup>th</sup> September, 2019. Time: 1000- 1300 hrs. (Venue Room No. 333)**



**Timetable- 1<sup>st</sup> Week**  
**M.Phil Workshop: Use of Software Application in Education Research**  
*Online Mode- Google Meet*

	02:00-03:30 PM	04:00 to 05:30 PM
<b>Monday</b> 06.07.2020	<b>Understanding Data Characteristics</b> (Suman Negi)	<b>Introduction to Educational Data Sources</b> (Suman Negi)
<b>Tuesday</b> 07.07.2020	<b>Introduction to Microsoft Excel</b> (Suman Negi)	<b>Introduction to Microsoft Excel</b> (Suman Negi)
<b>Wednesday</b> 08.07.2020	<b>Introduction to SPSS Interfaces</b> (A.N Reddy)	<b>Data Entry and Data Import from other Sources</b> (A.N Reddy)
<b>Thursday</b> 09.07.2020	<b>Data Management Using SPSS</b> (A.N Reddy)	<b>Univariate Analysis and Graphical Representation using SPSS</b> (A.N Reddy)
<b>Friday</b> 10.07.2020	<b>Bivariate Analysis using SPSS</b> (A.N Reddy)	<b>Multivariate Analysis using SPSS</b> (A.N Reddy)



### Timetable- 2<sup>st</sup> Week

#### M.Phil Workshop: Use of Software Application in Education Research

#### *Online Mode- Google Meet*

	02:00-03:30 PM	04:00 to 05:30 PM
<b>Monday</b> 13.07.2020	Introduction to Atlas Ti Prof. N. Nakkeeran	Introduction to Atlas Ti Prof. N. Nakkeeran
<b>Tuesday</b> 14.07.2020	Introduction to Atlas Ti Prof. N. Nakkeeran	Introduction to Atlas Ti Prof. N. Nakkeeran
<b>Wednesday</b> 15.07.2020	Practical Sessions	Practical Sessions
<b>Thursday</b> 16.07.2020	Introduction to NVivo Dr. Divya Bajpai	Introduction to NVivo Dr. Divya Bajpai
<b>Friday</b> 17.07.2020	Introduction to NVivo Dr. Divya Bajpai	Introduction to NVivo Dr. Divya Bajpai





**National Institute of Educational Planning and Administration**

**Dated: 28.12.2016**

**M.Phil Workshop Grades- 2016-17**

**Workshop on Use of Software Application in Educational Research**

<b>Sr.No.</b>	<b>Name</b>	<b>Status</b>
1	Shivani Bakshi	Completed
2	Rahul Meena	Completed
3	Monika Maini	Completed
4	Kriti Dagar	Completed
5	Swati Kumari	Completed
6	Parul Chaudhary	Completed
7	Bagesh Kumar	Completed
8	Sandhya Dubey	Completed
9	Nilajana Moitra	Completed

  
**Suman Negi,**  
**Course Coordinator**

  
**A.N Reddy**  
**Course Coordinator**



**National Institute of Educational Planning and Administration**

**Dated: 1.09.2017**

**M.Phil Workshop on Use of Software Application in Educational Research**

The M.Phil workshop on the **Use of Software Applications in Educational Research** was conducted for duration of two weeks- 03-14 July, 2017. The following students participated in the workshop.

<b>Sr. No.</b>	<b>Name of scholars</b>	<b>Status</b>
1.	Sonam Arora	Completed
2.	Nida Khan	Completed
3.	Nivedita Sahni	Completed
4.	Harleen Kaur	Completed
5.	Parminder Kaur	Completed
6.	Shikha Diwakar	Completed
7.	Aysha Malik	Completed
8.	Abhishek Pandey	Completed
9.	Vandana Tiwari	Completed

  
**Suman Negi,**  
Course Coordinator

  
**A.N Reddy**  
Course Coordinator



**National Institute of Educational Planning and Administration**

**Dated: 24.08.2018**

**M.Phil Workshop on Use of Software Application in Educational Research**

The M.Phil workshop on the **Use of Software Applications in Educational Research** was conducted for duration of two weeks December 4-8, 2017 and the second part was held from January 1-5, 2018. The following students participated in the workshop.

<b>Sr.No</b>	<b>Name</b>	<b>Status</b>
1	Mrinmayee Mandal	Completed
2	Isha Verma	Completed
3	Kavya Chandra	Completed
4	Pratiksha Tripathi	Completed
5	Riddhi Jain	Completed
6	Sandeep Singh	Completed
7	Kunal Nath Shahdeo	Completed
8	Shambhavi Gosain	Completed
9	Naomi Prachi Hazarika	Completed
10	Jitsun Lamo	Completed
11	Jyoti Arora	Completed
12	Komal	Completed
13	Pawar Amar Maruti	Completed
14	Isha Sharma	Completed
15	Harshita Sharma	Completed
16	Parul	Completed
17	Tsering Lhamo	Completed
18	Mohammad Ilyas	Completed
19	Shalini	Completed

  
**Suman Negi,**  
Course Coordinator

  
**A.N Reddy**  
Course Coordinator



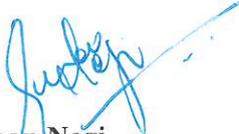
## National Institute of Educational Planning and Administration

Dated: 14.10.2019

### M.Phil Workshop on Use of Software Application in Educational Research

The M.Phil workshop on the Use of Software Applications in Educational Research was conducted for duration of two weeks September 2-6, 2019 and September 16-20, 2019. The following students participated in the workshop.

Sl. No.	Name of the Scholar	Status
1.	Ms. Fatima Zahra	Completed
2.	Wajda Tabassum	Completed
3.	Yashmita	Completed
4.	Thiyagarajan. M	Completed
5.	Priyank Sharma	Completed
6.	Preeti Sharma	Completed
7.	Mohd. Rouf Bhat	Completed
8.	Raj Gaurav	Completed
9.	Shadab Anis	Completed
10.	Kumari Pallawi	Completed
11.	Suman Saha	Completed
12.	Arushi Kaushik	Completed
13.	Nivedita Sharma	Completed
14.	Twinkle Panda	Completed
15.	Kumari Archana	Completed
16.	Sujata Bahot	Completed
17.	Jnyan Ranjan Sahoo	Completed
18.	Sonu Priya	Completed

  
Suman Negi,  
Course Coordinator

  
A.N Reddy  
Course Coordinator

