



আম্বেদকর কলেজ

ফটিকরায়, উনকোটি, ত্রিপুরা

**Ambedkar College**

A Govt. Degree College Affiliated to Tripura University

(UGC 2f & 12B recognized and NAAC Accredited)

Fatikroy, Unakoti, Tripura – 799290

**ONE WEEK WORKSHOP ON SPSS  
ORGANIZED BY DEPARTMENT OF EDUCATION AND SPONSORED BY ICSSR-NERC  
Held during 24<sup>th</sup> – 30<sup>th</sup> July 2014.**

The Department of Education, Ambedkar College organized one week Workshop on SPSS from 24<sup>th</sup> to 30<sup>th</sup> July 2014. The program was sponsored by ICSSR-NERC, Shilling, Meghalaya, India. A total of 25 participants were participated in the program from different Universities and Colleges of Tripura as well outside of Tripura. The main objective of the program was to give a basic knowledge to the participants about the SPSS program and how to use SPSS in their research studies.

The one week workshop program on SPSS organized by Department of Education, Ambedkar College, Fatikroy, Unakoti, Tripura got underway by lighting the lamp of wisdom by Dr. Subrata Sharma, Principal Ambedkar College followed by Sri Sribas Ch. Dey, secretary Teachers Council, Ambedkar College, Fatikroy, Unakoti, Tripura. The students of Department of Education welcomed the Principal and other guest with **Gamosa** and **gift**. The welcome address was delivered by Dr. Sahidul Ahmed, Course Director of the workshop. The guest and audience were greeted by LT. Muana Darlong, Assistant professor, Ambedkar College.

The objective of the workshop was read by Dr. Sahidul Ahmed, Course director, Ambedkar College, Fatikroy, Unakoti, Tripura. In his speech Dr. Subrata Sharma, Principal of Ambedkar College had talked about the importance of SPSS for research activities. He expects that after successfully completion of this course the participants can easily interpret their primary data with the help of SPSS. He also stated the problems of the college to organize such type of courses as electricity facilities and communication facilities are very poor in this region. He also mentioned that participants especially from other states face so many problems to reach the college campus. He welcomes all the participants in Ambedkar College.

Sri Sribas Ch. Dey also discussed the importance of software application now a day in academic research. He also congratulates the Course director for his initiative to organize such program. He talked about the importance of this workshop for the young research scholars and the teachers who have a keen interest in research activities.

The inaugural session ended with vote of thanks from Mrs. LalnunsangiMelody Darlong, Assistant Professor and HOD, department of Philosophy, Ambedkar College.

The first technical session of the workshop started at 2 PM after lunch. Dr. Manosh Pratim, Research Officer, Assam University, Diphu Campus was the resource person for the first technical session. As some of the participants are very new to statistics, he first of all, tried to discuss the very basis of statistics. He presented a power point presentation on “**Introduction to SPSS**”. He shows different techniques to prepare SPSS friendly questionnaires. He requested all the participants to go through the study materials for better understanding of the topic. In the first technical session, the resource person broadly discussed the following topics: Introduction with SPSS, SPSS Friendly Questionnaire, Different level of measurement, Graphs and their proper application, Measurement of central tendency, QD, SD

The second technical session was started at 11 Am on 25<sup>th</sup> July 2014. Dr. Manosh Pratim, Research Officer, Assam University, Diphu Campus was the resource person for the second technical session. In the

second technical session he taught how to fit data in SPSS sheet. For this purpose he used some sample questionnaire. Then he very simply and very carefully taught to participants how to give names to the variables, how to level the variables and how to enter data on SPSS sheet. In the meantime he also shows the techniques how to use help system if someone find any problem in entering data in SPSS sheet. Broadly in this technical session he taught: Fitting of data in SPSS, Using the help system, Reading the data, using the data editor, Examining summary statistics for individual variable, Modifying data value, Cross tabulation.

ManojitDebnath, Consultant PWD & RD, Govt. of Tripura act as resource person for the third technical session. He has done his M.Sc in statistics from Tripura University and known as supper specialist of SPSS. He before going to discuss the topic assign for him asked the participants whether they have any doubt in –how to fit data on SPSS sheet as it is the most important part. If we do not know the technique/ process to fit the data in SPSS sheet correctly, then the SPSS software will not give you any authentic data. As most of the participants do not have any doubts he stated his assign topics. He taught how to interpret the results, how to create charts and how to edit the graphs. He also inculcated how to fit the multiple response variables in SPSS data sheet and how to interpret its outcome. In the last 45 minutes of the technical session, he interacts with the participants and tried to solve their particular problems. Broadly in this technical session participants learned: how to interpret the results or outcomes, creating and editing charts/ graphs, how to put Multiple response variables in the SPSS sheet etc.

On 26<sup>th</sup> July 2014, the fourth technical session was held. Mr. ManojitDebnath, Consultant PWD & RD, Govt. of Tripura was the resource person for this technical session. In this technical session he presents a talk on different forms of hypothesis and how to test the hypothesis in SPSS. He impart to the participants about the knowledge of chi-square, t-test, level of significance and significant testing. He also talked about interpretation part. After the tea break, he discussed about the methods to test the relation between variables. He discussed product movement procedure as well as spearman's procedure to examine the relationship between two or more variables. The last one hour of the fourth technical session was the interaction session in which each participant's problems were addressed by the resource person.

The fifth technical session was also held on 26<sup>th</sup> July 2014 at 2 PM. Dr. T.K.Sethy Asstt. Prof., Department of Commerce of RKM kailashahar, Unakoti was the resource person for the said technical session. He started with – the *t-test* is used to compare variable means for members of two different groups. However, if we are interested in an independent variable that has more than two groups, then we need to use the analysis of variance (ANOVA) procedure. He very delightfully discussed about the ANOVA. He instructs all the participants to enter the sample data in SPSS sheet and with those data try to measure the ANOVA. In this technical session he delightfully discussed about: Introduction to ANOVA, One-factor ANOVA, Multi-way ANOVA, Multivariate Analysis of variance, Analysis of Co-variance and Random effect models. The last one hour of fifth technical session was interaction session in which the resource people personally take attempts to clear the doubts of the participants.

Dr. Indraneel Bhowmik, Associate Professor, Tripura University was the resource Person for the sixth Technical session. At the beginning of the sixth technical session, he asked all the participants whether they have any doubts on correlation because there is a close relation between regression and correlation. He then referred fourth technical session's example – correlation between academic ability and level of parent education. He said – both the variables are very strong correlation. But if we want to know – how well can be predict academic ability if we know something about parent education?. To know this type of relation we used regression. Then he discussed how to use SPSS software to calculate regression. In the sixth technical session he broadly discussed about: Introduction to Regression, Simple regression, multiple regression. The last one hour of the Sixth technical session was the interaction session, in which, each participant's particular problems were addressed by the resource person.

Dr. Indraneel Bhowmik, Associate Professor, Tripura University was the resource Person for the seventh Technical session. In this technical session he discussed: Dummy variables, Logistic regression, Modeling interaction, Polynomial Regression, Non- Linear regression. To make the explanation simple and clear he used some example and sample models. With the help of those sample models he imparted to the participants about the knowledge of said topics. The last one hour of the seventh technical session was the interaction session in

which each participant's problems were addressed by the resource person. All attempts/efforts have been taken to clear the doubts of the participants.

On 30<sup>th</sup> July 2014, Dr. Abhijit Sarkar, Assistant Professor, Department of Economics, Womens College was the Resource Person for the eight technical session. This technical session was mainly for interaction purpose. The specific problems of the Participants were addressed in this technical session. Participants were very much active in this technical session as they got chance to discuss their specific problems associated with their research. All the problems of the participants were delightfully and technically solved by the resource person

The closing ceremony of the workshop was held on college hall at 2 pm on 30<sup>th</sup> July 2014. A simple cultural program was conducted by the students of the college. Some of the participants have expressed their feelings and experiences in this workshop. Most of the participants were thanked Ambedkar College for organizing such type of workshop which is very useful for their research work. They were also satisfied with the hospitality. At last, Certificates are distributed to the participants by the Principal of the College. The workshops come to an end with vote of thanks by Dr. Sahidul Ahmed, Course Director.

### PHOTOS



Participants in One Week Workshop on SPSS held on 24<sup>th</sup> July to 30<sup>th</sup> July 2014 organized by Department of Education, Ambedkar College.



Participants attending lecture of Prof. Indraneel Bhowmik, (Tripura University) in One Week Workshop on SPSS held on 24<sup>th</sup> July to 30<sup>th</sup> July 2014 organized by Department of Education, Ambedkar College.