One-Day National Level Hands-on Workshop on "CLINICAL DATA ANALYSIS WITH MICROSOFT EXCEL" (held on 10.11.2021)

SUMMARY REPORT

Department of Community Medicine, Narayana Medical College, Nellore, Andhra Pradesh, India has organized One-Day National Level Hands-on Workshop on "Clinical Data Analysis with Microsoft Excel" on 10th November, 2021.

The **purpose of the One-Day National Level Hands-on Workshop** was to familiarize the faculty, Post-Graduation studentswith their clinical data analysis use of Microsoft Excel and give them the skills needed for effective use of MS-Excel with its in built add-ins to do the statistical analysis in their research studies.

Andhra Pradesh Medical Council (APMC) has granted TWO credit hours for this workshop and **Dr. Sk. Masthan Basha,** Assistant Professor of Orthopaedics, ACSR Govt. Medical College, Nellore was appointed as Observer for this workshop.

ABOUT THE PARTICIPANT'S PROFILE: -

A total of 86 candidates were registered, 52.32% of participants from the state of Andhra Pradesh, India, and 47.68% of participants were registered from the other states of India [Maharashtra (17.44%), Telangana (4.65%), Karnataka (1.16%), Tamil Nadu (1.16%)] for this national workshop. 54.54% of participants from the campus of Narayana Medical College, Nellore Andhra Pradesh and 45.46% of participants from the other Colleges/Universities were registered during the program schedule time.

Out of 86 candidates, 84.49% of participants were attended (via both online and offline) through the India for this national workshop.

ABOUT THE SPEAKERS (RESOURCE PERSONS) PROFILE: -

Dr. Ch. Rajendra, Professor& HOD, Department of CSE, Narayana Engineering College, Nellore has delivered a lecture on "**Some basic concepts of MS-Excel**" and he has covered the topics on *introduction to spreadsheet, Creation of work, editing cells, how to use formulae in using commands and functions, how to create a Charts and Tables, and also how to prepare a worksheet for the data entry, validation, and analysis and also how to deal with missing data in MS-Excel.*

Prof. B. Muniswamy, Professor& HOD, Department of Statistics, Andhra University, Visakhapatnam has delivered a lectures on "**Descriptive Statistics, Parametric Tests, and Introduction about Multivariate Statistical Analysis**" along with practical sessions, and he covered the topics on *Measures of Central Tendency, Measures of Dispersion, Student's t-test, ANOVA, Correlation and Regression, how to install MS-Excel add ins and how to do statistical analysis in MS-Excel using Formulae and add-ins package, Introduction about Multivariate analysis and its types*.

Dr. Ahammad Basha Shaik, Assistant Professor of Statistics, Department of Community Medicine, Narayana Medical College, Nellore has delivered a lecture on "**Non-Parametric tests**" along with practical session, and he covered the topics on *Difference between Parametric and Non-Parametric tests, Advantages and Disadvantages of Non-Parametric tests, chi-Square test, Alternative to t-test and ANOVA tests (Sign test, Mann-Whitney U test, Wilcoxon Signed Rank test, and Kruskall-Wallis test, Friedman test, Mcnemar's Test), how to install MS-Excel add ins (XL STAT) and how to do statistical analysis in MS-Excel using Formulae and add-ins package*.

What attendees learned after this National Workshop?

- The basic idea about MS-Excel and how to enter a collected data into MS-Excel.
- How to install MS-Excel add-ins (Analysis tool pack, XLSTAT packages) for data analysis.
- How to do a clinical data analysis with MS-Excel by applying the appropriate statistical tests.

PHOTOS