

# PROGRAM SCHEDULE

11:00 AM to 12:00 Noon Daily

Date (Day)	Topic Name	Faculty Name
11.08.2020 (Tuesday)	<b>Introduction to Biostatistics</b> <ul style="list-style-type: none"> <li>✓ What is Biostatistics,</li> <li>✓ Types of data &amp; their sources,</li> <li>✓ Presentation of Data,</li> <li>✓ Tabulation of data and their types,</li> <li>✓ Types of Charts &amp; Diagrams,</li> <li>✓ Drawing a table &amp; diagram using MS-Excel</li> </ul>	Dr. C. Jyothi
12.08.2020 (Wednesday)	<b>Measures of central tendency</b> <ul style="list-style-type: none"> <li>✓ Types of Measures,</li> <li>✓ Mean, (or) Arithmetic Mean,</li> <li>✓ Median,</li> <li>✓ Mode,</li> <li>✓ Calculation of measures of central tendency using MS-Excel.</li> </ul>	Dr. K. Vaishnavi
13.08.2020 (Thursday)	<b>Measures of dispersion &amp; Normal distribution</b> <ul style="list-style-type: none"> <li>• <b>Measures of Dispersion</b> <ul style="list-style-type: none"> <li>✓ Range,</li> <li>✓ Mean Deviation,</li> <li>✓ Standard Deviation,</li> <li>✓ Coefficient of Variation,</li> <li>✓ Calculation measures of dispersion using MS-Excel.</li> </ul> </li> <li>• <b>Normal distribution</b> <ul style="list-style-type: none"> <li>✓ Normal Distribution &amp; its importance,</li> <li>✓ Properties of Normal distribution,</li> <li>✓ What is Normal curve,</li> <li>✓ Drawing of a normal curve using MS-Excel.</li> </ul> </li> </ul>	Dr. P. Sasikala
14.08.2020 (Friday)	<b>Parametric tests</b> <ul style="list-style-type: none"> <li>✓ What are Parametric tests,</li> <li>✓ Introduction of testing of Hypothesis,</li> <li>✓ One-sample student's t-test,</li> <li>✓ Two-sample student's t-test (Paired &amp; Unpaired),</li> <li>✓ Analysis of Variance (ANOVA) test,</li> <li>✓ Practical exercises using MS-Excel.</li> </ul>	Dr. S. Pravallika
17.08.2020 (Monday)	<b>Non-parametric tests</b> <ul style="list-style-type: none"> <li>✓ Difference between Parametric &amp; Non-Parametric tests,</li> <li>✓ Types of Parametric tests,</li> <li>✓ Sign Test,</li> <li>✓ Chi-Square test,</li> <li>✓ Spearman's rank correlation coefficient</li> <li>✓ Wilcoxon-signed rank test,</li> <li>✓ Mann-Whitney U test,</li> <li>✓ Kruskal-Wallis test,</li> <li>✓ Practical exercises using MS-Excel.</li> </ul>	Dr. Sk. Ahammad Basha
18.08.2020 (Tuesday)	<b>Correlation analysis</b> <ul style="list-style-type: none"> <li>✓ Meaning of Correlation,</li> <li>✓ Types of Correlation,</li> <li>✓ Scatter diagram,</li> <li>✓ Pearson's correlation coefficient,</li> <li>✓ Practical exercises using MS-Excel.</li> </ul>	Dr. C. Kumar
19.08.2020 (Wednesday)	<b>Regression analysis</b> <ul style="list-style-type: none"> <li>✓ Basics concepts in Regression,</li> <li>✓ Situations where models are used,</li> <li>✓ How to use MS-Excel for Regression?</li> <li>✓ Types of Regression: Linear, Logistic, Time to Event Regression,</li> <li>✓ Model fitting &amp; Building.</li> </ul>	Dr. S. P. Rao



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## ONLINE TRAINING WORKSHOP ON BIostatISTICS

FOR PG STUDENTS & FACULTY



Organized by

DEPARTMENT OF COMMUNITY MEDICINE  
Narayana Medical College, Nellore

### About the Department of Community Medicine:

Department of Community Medicine, Narayana Medical College & Hospital is committed towards improving quality of Teaching and Training in the Theory and Practice of Community Medicine through a Transparent and Multi Disciplinary approach and by networking other Service Delivery Institutions of Primary Health Care and Voluntary Organizations.

### About the workshop:

The workshop will familiarize the faculty with the use of the MS-Excel statistical package and gives them the skills needed for effective data management, data manipulation, and data analysis at a basic level.

Note: -

- Exercises for the topics will be communicated to the registered participants one day before through e-mail.
- Candidates are required to attend the sessions through laptops.
- All the exercises will be demonstrated/carried out on MS-Excel online.