

## PROGRAM SCHEDULE

TIME	TOPIC
9.00am – 9.30am	Registration & Inauguration
9.30am – 10.00am	Some basic concepts of MS-Excel & its use
10.00am – 11.00am	Descriptive Statistics
11.00am – 12.00pm	Practical Session
12.00pm – 1.00pm	Parametric Tests
1.00pm – 2.00pm	<b>LUNCH</b>
2.00pm – 3.00pm	Practical Session
3.00pm – 4.00pm	Non Parametric Tests
4.00pm – 5.00pm	Practical Session
5.00pm – 5.30pm	Introduction to Multivariate analysis
5.30pm – 6.00pm	Conclusion and Feedback

## Topics to be covered in the workshop:

- Some basic concepts of MS-Excel & its use

- Descriptive Statistics:

- Mean (Arithmetic, Geometric, Harmonic);
- Median; Mode;
- Standard Deviation;
- Sample Variance;
- Skewness; Kurtosis
- Range; Largest; Smallest;
- Random Number Generation;
- Rank and Percentile;
- Sampling;
- Statistical Power and Sample Size.

- Parametric tests:

- Correlation; Covariance,
- Regression;
- Moving Averages;
- Multiple Linear Regression,
- Weighted Linear Regression;
- ANOVA (Single Factor; Two factor with/without Replication);
- F-Test (Two samples for variances; Paired Two samples with/without equal variance; means).



- Non-Parametric tests:

- T Test (Non Parametric equivalents);
- Chi-Square Test;
- Cochran-Mantel-Haenszel Test
- Cochran Q Test
- Mann-Whitney U test & Wilcoxon Signed-Ranks Test
- Kruskal-Wallis Test
- Friedman Test

- Introduction to Multivariate analysis

**ONE DAY STATE LEVEL  
HANDS ON WORKSHOP**

**“CLINICAL DATA ANALYSIS  
WITH MICROSOFT EXCEL”**

for Faculty in Medical Colleges

27<sup>th</sup> March 2020



Internal Quality Assurance Cell (IQAC)

&

Department of Community Medicine  
Narayana Medical College, Nellore

Organizing Secretary:

Dr. Ahammad Basha Shaik, PhD

Assistant Professor,

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Andhra Pradesh, India.

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### About the Narayana Medical College:

Narayana Medical College was established in the year 1999 at Nellore by the Dr. P. Narayana. It is his endeavor to provide the most modern medical education and establish Medical Institutions and teaching hospitals, which will be upgraded to the Deemed University status.

Narayana Medical College is an institution of higher learning, with a triple mission of education, service, and research. In addition to offering degrees in medicine, the college provides an environment for learning and discovery through education of healthcare professionals and research in health science and comprehensive healthcare. To conduct research in the health sciences, advancing knowledge and encouraging new response to health care needs of the under privileged members of the society.

### 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 give them the skills needed for effective data management, data manipulation, and data analysis at a basic level.



Who should attend?

Faculty members of any UG/ PG medical colleges of Andhra Pradesh State.

Registration Fee: (Rs. 1,000/-)\*

Registration can be done by filling up the registration form.

For Account Transfer:-

Account Name: NMC – Conferences and Workshops

Account Number: 631001120270

IFSC Code: ICIC0006310

Bank Name: ICICI Bank

\* Those who require accommodation should inform before hand for bachelor accommodation. Participants should bring their own laptops. Power source and Wifi are provided at the workshop venue.

Andhra Pradesh Medical Council granted  
TWO credit hours for this Workshop.

Tentative List of Resource Persons:

1. Prof. B. Muniswamy, Ph.D.,M.B.A.,PDIT

Professor & Chairman, PG (BOS),

Andhra University, Vizag, Andhra Pradesh, India.

2. Dr. Richard Kirubakaran, M.Sc.,

Research Scientist,

Prof. BV Moses centre for evidence informed Healthcare & Health Policy,

Christian Medical College, Vellore-632 002 Tamil Nadu, India.

3. Dr. C. Rajendra, M.Tech., PhD.,

Professor & HOD.,

Narayana Engineering College, Nellore.

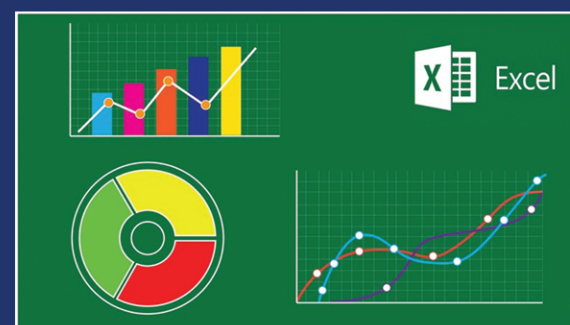
Contact :

Dr. Ahammad Basha Shaik, PhD

Assistant Professor,

Department of Community Medicine,

Narayana Medical College, Nellore-524 003, AP,India.



Registration Form  
(Fill in Block Letters)

ONE DAY STATE LEVEL HANDS ON WORKSHOP  
**“CLINICAL DATA ANALYSIS  
WITH MICROSOFT EXCEL”**  
for Faculty in Medical Colleges  
27<sup>th</sup> March 2020

Name .....

Qualification .....

Designation .....

Department .....

Institution .....

Address .....

Email .....

Mobile Number .....

**Mode of registration and payment:** Google Pay / Phone Pe / UPI

Handle (or) via IMPS / NEFT Account Transfer

**Registration Fee-1000/INR.**

Last date for registration: 25-03-2020

Bank details-

Account Name- **NMC-CONFERENCES AND WORKSHOPS**

Account Number- **631001120270**

IFSC-**ICIC0006310**

Date of Transaction.....

DD/ transaction number.....

Bank....., Branch.....

Signature.....

Please scan the registration form, bank transaction and mode of payment.

Send the receipt to [skahammadbasha@narayanamedicalcollege.com](mailto:skahammadbasha@narayanamedicalcollege.com)

Date :

Signature of the Participant