

11.00 am - 11.15 am - Tea break

11.15am - 1.00 pm - **Session 5- Skill Station - Application of parametric statistical tests in medical research using statistical software**

1.00 pm - 1.30 pm - Lunch

1.30 am - 3.30 pm - **Session 6- Application of non-parametric statistical tests in medical research using statistical software**

3.30pm - 4.00 pm - Valedictory Function

SKILL STATION MANAGED BY

Dr. Oommen P Mathew Mrs. Serene Anna Oommen Mrs. Karthika V
Mr. Mathew P Oommen Dr. Sabitha Das

Organizing Committee

Patrons

H. G. Most Rev. Dr. Thomas Mar Koorilos,
Metropolitan Archbishop of Tiruvalla Archdiocese
Rev. Dr. Biju Varghese, CEO, Pushpagiri Group of Institutions
Rev. Fr. Mathew Puthenpurayil,
Director-Pushpagiri College of Nursing

Organizing Chairperson

Prof. Mrs. Vineetha Jacob, Principal, PCON

Organizing Secretary

Sr. Mary Jyothi OSS, Vice Principal (admin), PCON

Joint Secretaries

Mrs. Asha Jacob, Faculty, PCON
Mrs. Roshin Siby, Faculty, PCON
Sr. Tessin SIC, Faculty, PCON

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IGNITE 2K26

National workshop on
**STATISTICAL APPLICATION IN
HEALTH RESEARCH**

6th & 7th February 2026

College Auditorium

Pushpagiri College of Nursing, Tiruvalla

Organized by
IQAC and Research-Innovation Cell



PUSHPAGIRI
COLLEGE OF NURSING
MEDICAL COLLEGE CAMPUS, TIRUVALLA

ABOUT PUSHPAGIRI COLLEGE OF NURSING!

Pushpagiri College of Nursing, established in 2002, is a premier private self-financing institution in Kerala. We stand on the foundation of Pushpagiri Medical Society, which boasts a rich six-decade legacy in healthcare and nursing education.

Our students benefit from hands-on training at the Pushpagiri Medical College Hospital, our state-of-the-art parent facility. This teaching hospital provides all specialties and super specialties under a single roof, ensuring comprehensive clinical experience.

Recognized with a QAS 'A' Grade and accredited by the INC, KNMC, and KUHS, we are committed to delivering top-tier education. We achieve this through an environment supported by experienced faculty, an extensive library, and advanced laboratory infrastructure.

ABOUT THE WORKSHOP

Dear delegates,

Statistics plays a vital role at all stages of research studies in almost all disciplines from planning to the final analysis. There has been explosive growth in statistical methods over the past few decades due to continuous advances in diverse biomedical area. This workshop proposes to equip the researchers, academicians and post graduates in Medical, Dental, Nursing and Pharmacy science to pursue the most relevant statistical analysis using Software "SPSS".

We look forward to your chivalrous presence for this National Level workshop to enrich your knowledge and research skills.

HIGHLIGHTS

- PG students will be equipped to do their PG Dissertation independently [Sample size calculation, data entry, Reliability testing, data analysis and interpretation of result].
- Dummy data in Medical research will be utilized during Skill station.
- Study material showing step-by-step procedure to do statistical tests will be provided.
- Faculty will be equipped to guide the PG students/PhD scholars in an effective manner.

PERSONALIZED RESEARCH CONSULTATION

Dr. Oommen P. Mathew, will provide personalized research consultation to those who are interested (PhD scholars, faculty, researchers) to discuss their research problems.

Personalized consultation is limited to 10 researchers. Those interested are requested to kindly contact programme coordinator and send details to coordinator through e-mail on or before 03-02-2026.

AIMS

This workshop aims to enable the participants to acquire knowledge and practical skills to carry out sample size calculation, reliability assesment of research tool and statistical analysis of data using statistical package.

OBJECTIVES

On completion of the workshop, the participants develop skills to :-

- Determine sample size for their research study
- Handle various reliability and validity tests of tools using statistical software
- Manage data in excel and in statistical software.
- Perform various descriptive statistics using statistical software.
- Conduct various parametric and non parametric statistical tests using statistical software and to interpret the results.

TARGET AUDIENCE

Researchers, Faculty, Research guides, Post-graduates in Medical, Dental, Nursing and Pharmacy Science

Day 1: 06-02-2026

08.00 am - 8.30 am : Registration

8.30 - 8.45 am - Key note address - Principal

8.45 - 10.45 am - **Session 1 - Sample size determination & skill station**

10.45 - 11.15 am - Inaugural session

11.15 am - 11.30 am - Tea break

11.30 am - 1.15 pm - **Session 2 - Reliability & validity tests using statistical software & skill station**

1.15 pm - 2.00 pm - Lunch

2.00 pm - 4.00 pm - **Session 3 - Data management in SPSS & descriptive statistics using statistical software**

4.00 pm - 5.00 pm - Personalized research consultation

Day 2: 07-02-2026

8.00 am - 9.00 am -Personalized research consultation

9.00 am - 11.00 am - **Session 4- Application of parametric statistical tests in medical research using statistical software**

RESOURCE PERSON



DR. OOMMEN P. MATHEW
Statistician
Population Research Centre
(Ministry of H&FW,
Government of India)
Kerala