



# National Workshop on Estimating Sensitivity of Homeopathic repertoires using Python script



**26<sup>th</sup> July 2025** 9:30 AM - 5.00 PM

**Board Room**

VENUE Yenepoya Homoeopathic Medical College, AYUSH Campus.

## About the Workshop

This hands-on workshop aims to equip students and faculty in homeopathy with the skills to **Estimate the sensitivity of homeopathic repertoires** using computational tools. The workshop's resource persons published this novel method in the '**Homeopathy**' Journal in February 2025. Participants will learn to install Python, set up the required libraries, and run a custom script to analyze the sensitivity of **Kent's Repertory** to remedy in **Allen's Keynotes**.

## What You'll Learn:

- Set up Python on Windows laptops
- Install key libraries like pandas and nltk
- Understand repertory sensitivity analysis
- Execute and interpret a custom Python script
- Interpretation of results and implications for research

## Applications:

This workshop is ideal for those aiming to integrate computational methods into homeopathic research:

- **Postgraduate Students** - Design robust MD thesis grounded in data analysis
- **Faculty Members** - Develop academic research projects in materia medica and repertory
- **Undergraduate Students** - Plan and execute Short-Term Studentship (STSH) proposals using data-driven approaches

## Requirements:

- Fully charged personal laptop
- Basic computer literacy
- Enthusiasm to explore computational research

Join us in this transformative journey and gain practical skills that can open new dimensions in homeopathic research. Let's take homeopathy into the era of computational research!

Register now and be part of this groundbreaking initiative!

Only 25 participants will be trained for the workshop

**Instruction:** The participants are requested to bring their laptops/notebooks for the workshop, Install Python environment.

*Registration Details:*

**Fee: ₹800/-**

*Registration Link:* <https://rzp.io/rzp/fKnA7MZt> 



**QR CODE  
for registration and  
fee payment.**

**Lunch, Tea, and Snacks will be provided**

**Accommodation:** Participants have to arrange their accommodation. However, we recommend the following sites for stay.

**Hotel Comfort Inn:** Contact - **7090940330**

**Aurelia Comforts:** Contact - **0824 - 6637199**

**Transportation:** We are happy to provide transportation from the main entrance of the Yenepoya (Deemed to be University) on 26th July at 8:45 am to the venue located at the AYUSH campus (approximately 8km from the University campus).

*Contact :*

**Dr. Arun K John** : 9844131030

or

**Dr. Ashik** : 9847998874

for the details.





## Dr. Kurian P J

Professor

We are pleased to introduce Dr. Kurian P J as the esteemed resource person for the workshop.

**Dr. Kurian P J**, Professor, Yenepoya (Deemed to be University) has extensive experience in Homeopathy, clinical trials, animal trials, and homeopathic pathogenetic trials. He holds an MD in Homeopathy from Father Muller Homeopathic Medical College & Hospital, where he achieved **first rank** in his MD examination at Rajiv Gandhi University of Health Sciences. Dr. Kurian also secured the **third rank** in his BHMS examination from Mahatma Gandhi University.

He has further enhanced his qualifications with biomedical research, bio-statistics, and scientific writing certifications from esteemed institutions like the **Indian Institute of Technology, Madras**, the **National Institute of Epidemiology**, and **Stanford University**. Notably, he was a **national-level topper** in the 99th percentile in the Fundamentals of Health Research course conducted by the National Institute of Epidemiology.

Dr. Kurian has an impressive research portfolio and has published in reputed journals such as *Homeopathy*, *Journal of Evidence-Based Complementary & Alternative Medicine*, *Chinese Journal of Integrative Medicine*, *International Journal for High Dilution Research*, *BIOMEDICINE*, and *Indian Journal for Research in Homeopathy*.

He was instrumental in introducing the **Jaccard Similarity Index** for identifying noise in homeopathic pathogenetic trials, developing the **HomoeOmics database**, presenting a novel method to estimate the sensitivity of homeopathic repertoires, and **successfully filing a patent** for using **cosine similarity** in diagnosing homeopathic remedies.



## Dr. Jeenu Joseph, MD

Deputy Medical Superintendent

Dr. Jeenu Joseph is the Deputy Medical Superintendent at Yenepoya Homoeopathic Medical College Hospital. He is the **co-inventor** of the novel method of **estimating the sensitivity of homeopathic repertoires and diagnosing homeopathic medicines using cosine similarity**. Dr. Jeenu brings practical insights into homeopathic clinical application and data-driven innovation in repertory analysis.

# Python Installation & Library Setup Guide (Windows)

This guide will help you set up Python, and install necessary libraries such as **pandas** and **nltk**. Follow these steps before the workshop.

## Step 1: Install Python

1. Visit the official Python website:
2. <https://www.python.org/downloads/>
3. Click the "Download Python 3.x.x" button (latest version).
4. Run the downloaded file (python-3.x.x.exe).
5. On the first installation screen, make sure to check:
6. Add Python to PATH
7. Click Install Now.
8. After installation, verify it worked:
  - ◆ Open the Command Prompt (Press Win + R, type cmd, press Enter).
  - ◆ Type: Python --version

You should see something like: Python 3.12.1

## Step 2: Install Required Libraries

1. Open the Command Prompt.
2. Install pandas (for data handling) type: pip install pandas
3. Install nltk (if required for text process) type: pip install nltk

## Test Your Setup

1. Open Command Prompt.
2. Start Python by typing: Python
3. Type the following lines one by one:

```
import pandas as pd
import itertools
print("All libraries loaded successfully!")
```

4. You should see: All libraries loaded successfully!
5. Type exit() to leave the Python prompt.

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*Organizing Chairman:* **Dr Ashik S Muhammed**

Associate Professor

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*Organizing Secretary:* **Dr Arun K John**

Assistant Professor

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**Dr Shivaprasad K**

Medical Superintendent

Yenepoya Homoeopathic Medical College Hospital

