

Centre for Statistics
SRM Institute of Science and Technology

Training course on Systematic review and Meta-analysis using R

About the Course

This training course will introduce methods to perform systematic reviews and meta-analysis. How to formulate research question, define inclusion and exclusion criteria, search for the evidence, extract data, assess the risk of bias, and perform a meta-analysis will be covered in this course.

Course Content

1. Steps in conducting a systematic review
2. Develop research question using PICO framework
3. The process used to collect and extract data
4. Methods to critically assess the risk of bias of the studies
5. Perform and interpret the results of meta-analyses

Course Schedule

Day	1st Session 3.15 pm to 4.00 pm	2nd Session 4.15 pm to 5.00 pm
21.03.2022	Introduction to systematic review and meta-analysis	Framing a research question
22.03.2023	Search principles and Risk of bias assessment	Minimizing bias and qualitative synthesis
23.03.2022	Statistical methods for meta-analysis	Interpretation of results

Course Date

21st March 2022 – 23rd March 2022

Venue

University Building, 13th floor, Seminar Hall I

Participant Fee

500 INR/Person

Co-ordinator

Dr. M. Bagavandas (Head)

Course Instructors

Mr. V. Raghul Gandhi

No of Participants: 23