

**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**

<b>Day</b>	<b>1<sup>st</sup> Session 3.15 pm to 4.00 pm</b>	<b>2<sup>nd</sup> Session 4.15 pm to 5.00 pm</b>
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**

21<sup>st</sup> March 2022 – 23<sup>rd</sup> March 2022

**Participant Fee**

500 INR/Person

**Co-ordinator**

Dr. M. Bagavandas (Head)

**Course Instructors**

Mr. V. Raghul Gandhi

**No of Participants: 23**