

Advancing Systematic Review & Meta-analysis Techniques: Hands-On Training

May 5–7, 2026

DAY 1 Tuesday, May 5, 2026			
Time	Topic	Session Type	Speaker
9:30 – 10:30 Registration & Inauguration			
10:30–11:15	Introduction to Systematic Review	Presentation	Dr. Rizwan SA Scientist-D, ICMR-NIE, Chennai
11:15 – 11:30 Coffee Break			
11:30–12:15	Framing Research Question, Objectives & Eligibility Criteria for Systematic Review	Presentation	Dr. Rizwan SA Scientist-D, ICMR-NIE, Chennai
12:15–1:00	Frame Your Research Question Based on PICO	Interactive session (Menti-meter)	Dr. Rizwan SA And Dr. Madhumitha H
1:00 – 1:45 Lunch Break			
1:45–2:30	Where & How to Search for Your Systematic Review (Databases, Keywords, Search Strategy)	Presentation	Dr. Ramya N Scientist-C, ICMR-NIE, Chennai
2:30–3:30	Constructing Search Strategy & Searching in PubMed and Scopus	Hands-on Exercise	Dr. Madhumitha H & Team SRM MCHRC

DAY 2 Wednesday, May 6, 2026			
Time	Topic	Session Type	Speaker
9:00–9:45	Screening and Study Selection	Presentation	Dr. Madhumitha H Asst. Professor, Division of Medical Research, SRM MCHRC
9:45–11:00	Data Extraction & Risk of Bias Assessment	Presentation	Dr. Yuvaraj Head, Evidence Synthesis Unit, PROPUL Evidence, Chennai
11:00 – 11:15 Coffee Break			
11:15–12:00	AI in Systematic Reviews	Presentation	Dr. Urvish Joshi Associate Professor, Narendra Modi Medical College, Ahmedabad
12:00–1:00	Screening Using Rayyan	Hands-on Exercise	Ms. R. K. Swetha Lecturer, Dept. of Anaesthesia, SRM MCHRC
1:00 – 1:45 Lunch Break			
1:45–2:30	Data Extraction	Demonstration & Hands-on	Dr. Madhumitha H & Team SRM MCHRC
2:30–3:30	ROB Tools for Different Study Designs	Demonstration & Hands-on	Dr. Madhumitha H & Team SRM MCHRC

DAY 3 Thursday, May 7, 2026

Time	Topic	Session Type	Speaker
9:00–9:45	Introduction to Meta-analysis (Effect Size, Effect Measures, Publication Bias)	Presentation	Prof. Joseph Mathew Professor & Head, Paediatric Pulmonology, PGIMER, Chandigarh
9:45–10:30	Assessing & Addressing Heterogeneity (I^2 , Cochrane's Q, Subgroup & Sensitivity Analysis)	Presentation	Prof. Joseph Mathew Professor & Head, Paediatric Pulmonology, PGIMER, Chandigarh
10:30 – 10:45 Coffee Break			
10:45 – 11:30 Valedictory Ceremony			
11:30–12:15	Drafting a Systematic Review Protocol & Registering in PROSPERO	Demonstration	Ms. Lavanya A Research Associate III, Division of Medical Research, SRM MCHRC
12:15–1:00	Reporting Guidelines for Systematic Reviews	Presentation	Ms. Janana Priya G Research Associate, Division of Medical Research, SRM MCHRC
1:00 – 1:45 Lunch Break			
1:45–2:30	GRADE for Systematic Reviews	Presentation & Demonstration	Dr. Pankaj B. Shah Associate Dean Research, Sri Ramachandra Medical College & RI, Chennai
2:30–3:15	R for Meta-analysis	Demonstration & Hands-on	Ms. Sananthya K Research Associate, Division of Medical Research, SRM MCHRC