



KARNATAKA SCIENCE AND TECHNOLOGY ACADEMY (KSTA)
Department of Science and Technology, Govt. of Karnataka

Five Day Training Program
On

“Research Methodology, Research & Publication Ethics”
03-07 October 2023 (Tuesday-Saturday)

PROGRAM SCHEDULE

Day – 1 – October 03, 2023 (Tuesday)

Time	Sessions
11.15 am 12.30 pm	Introduction, Meaning of Research, Objectives of Research, Types of Research; Significance of Research, Research Methods versus Methodology, Research and Scientific Method, Research Process
12.30 pm 01.45 pm	Criteria of Good Research, Problems Encountered by Researchers in India
1.45 pm -2.30 pm Lunch Break	
2.30 pm 3.45 pm	Research Problem-Necessity of defining the problem & Techniques involved in defining a problem
3.45 pm – 4.00 pm Tea/Coffee Break	
4.00 pm 5.15 pm	Meaning & Need for Research Design, Features of a Good Design & Important Concepts relating to Research Design

Day – 2 – October 04, 2023 (Wednesday)

10.30 am 11.45 am	The literature review in research, bringing clarity and focus to research problem, Improving research methodology, broadening knowledge base in research area; Developing a theoretical, a conceptual framework
11.45 AM – 12.00 Noon Tea/Coffee Break	
12.00 noon 01.45 pm	Introduction to Sampling Design, Sampling and Non-sampling; Errors, Sample Survey versus Census Survey
1.45 pm – 2.30 pm Lunch Break	
2.30 pm 3.45 pm	Introduction to Data Collection, Qualitative and Quantitative Data Collection & Classifications of Measurement Scales
3.45 pm – 4.00 pm Tea/Coffee Break	

4.00 pm 5.15 pm		Chi-square Test & Cautions in Using Chi Square Tests & Case Study Methods
Day – 3 – October 05, 2023 (Thursday)		
10.30 am 11.45 am		Types of Reports, Steps & Precautions in Writing Report; Report Interpretation & Significance of Report Writing
11.45 AM – 12.00 Noon Tea/Coffee Break		
12.00 noon 1.15 pm		The Concept, Intellectual Property System in India & Regime in India
01.15 PM – 2.30 PM Lunch Break		
2.30 pm 3.45 pm		The Protection of Plant Varieties and Farmers' Rights Act & The Semi-Conductor Integrated Circuits Layout Design Act; Trade Secrets & Utility Models
3.45 PM – 4.00 PM Tea/Coffee Break		
4.00 pm 5.15 pm		IPR and Biodiversity, Paris Convention for the Protection of Industrial Property, National Treatment, Right of Priority, Patent Cooperation Treaty (PCT)
Day – 4 – October 06, 2023 (Friday)		
10.30 am 11.45 am		Berne Convention for the Protection of Literary and Artistic Works, Basic Principles, Duration of Protection, Trade Related Aspects of Intellectual Property Rights
11.45 AM – 12.00 Noon Tea/Coffee Break		
12.00 noon 1.45 pm		Introduction to Philosophy & Ethics with respect to Science and Research
1.45 PM – 2.30 PM Lunch Break		
2.30 pm 3.45 pm		Writing Research Proposal & Research Papers
3.45 PM – 4.00 PM Tea/Coffee Break		
4.00 pm 5.15 pm		Publication ethics, Violation of publication ethics and authorship
Day – 5 – October 07, 2023 (Saturday)		
10.30 am 11.45 am		Intellectual honesty and research integrity & Selective reporting and misrepresentation of data
11.45 AM – 12.00 Noon Tea/Coffee Break		
12.00 noon 1.15 pm		Open access publications & Software tools to identify predatory publications & Plagiarism
1.15 PM – 2.30 PM Lunch Break		
2.30 pm 3.45 pm		Bibliography Management in LaTeX
3.45 pm-4.45 pm Valedictory Function followed by High Tea		