



Institute of Mathematics and Management, Sri Lanka

SHORT COURSE ON APPLIED STATISTICS AND RESEARCH METHODS

Intake IV

Introduction

This course is a foundation to develop the research skills related to the fields of, Biological Science; Physical Science; Engineering; Medicine & Healthcare; Management; Economics; Social Sciences and more.

Who would benefit: **Academics, Researchers, Undergraduate/ Postgraduate students, Medical Practitioners, Managers**

Selection Criterion: **Selections are based on the Academic/Professional background of the applicant and the objectives for following the course**

Medium of Instructions: **English**

Course Duration: **30 hours (Lectures-16 hours, Practical-14 hours)**

Course Fee: **Domestic Students - LKR 18,000/=**
International Students - USD 200

Course Commences: **02 May 2021** (Lectures on **Sunday** 08:30- 13.00 **Indian Standard Time**)

Mode of Conduct: **Online (Zoom)**

Course Outline

- Introduction to Statistics
- Data Analysis by Minitab & SPSS
- Sampling and Data Collection
- Probability Distributions
- Correlation and Regression
- Sampling Distribution & Hypothesis Testing
- Research Methodology
- Research Critique
- Questionnaire designing
- Introduction to Time Series Analysis
- Introduction to MATLAB Programming
- Proposal Writing

Resource Persons:

Dr. (Mrs.) W. G. Samanthi Konarasinghe (*PhD, MSc, MBA, PG Dip, BSc, MASA, MIASSL, MNSF*), Sri Lanka

Dr. K. Srinivasa Rao (*PhD, MPhil, MSc, PG Dip, BSc*), India

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