



Institute of Mathematics and Management, Sri Lanka

SHORT COURSE ON APPLIED STATISTICS AND RESEARCH METHODS

Intake II

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**

Medium of Instructions: **English**

Course Duration: **30 hours**

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

Course Commences: **05 January 2021** (Lectures on **Tuesday & Thursday 16:00-18:00 or Sunday 08:30-12.30 Indian Standard Time**)

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

Course Outline

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