



Institute of Mathematics and Management, Sri Lanka

SHORT COURSE ON APPLIED STATISTICS AND RESEARCH METHODS

Intake III

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 (Lectures-16 hours, Practical-14 hours)

Course Fee: Domestic Students - LKR 18,000/=

International Students - USD 200

Course Commences: 07 March 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
- Functions and Graphs for Statistics
- 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

Major K M U B Konarasinghe WWV, RSP (*MBA, MNSF*), Sri Lanka

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