



Institute of Mathematics and Management, Sri Lanka
Certificate Course on Applied Statistics
&
Research Methods
Intake - I

Course Commences: 09th October 2021

Introduction

Statistics plays a vital role in scientific research. It is the foundation of research and management of; Physical Sciences, Biological Sciences, Medical & Healthcare, Engineering, Meteorology, Management, Business, Finance, Economics and other Social Sciences and more. Yet, most of the studies are not really benefited from statistics due to “**misuse**” of it. Statisticians across the world suggest that, at least half the papers published contain serious statistical mistakes. Lack of statistical knowledge in fundamentals and real-life applications are the main reasons for “misuse”. The Certificate Course on Applied Statistics & Research Methods is designed to fill the knowledge gap and pave the path for efficient and effective research culture.

Who would benefit: Academics, Researchers, UG/PG students, and more

Medium of Instructions: English

Statistical Software used : MINITAB, SPSS , MATLAB , R

Level -1 Course Outline

Code	Subject	Hours	Credits
AS & RM 101	Basic Statistics	15	1
AS & RM 102	Correlation Analysis	15	1
AS & RM 103	Statistical Inference-I	15	1
AS & RM 104	Research Methods	15	1

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(Lectures: 35 hours; Practical:25 hours)

Level - 2

Code	Subject	Hours	Credits
AS & RM 201	Design & Analysis of Experiments	15	1
AS & RM 202	Regression Analysis	15	1
AS & RM 203	Time Series Forecasting-I	15	1
AS & RM 204	Probability and Distributions	15	1
		60	4

(Lectures: 35 hours; Practical:25 hours)

Level - 3

Code	Subject	Hours	Credits
AS & RM 301	Statistical Inference-II	15	1
AS & RM 302	Time Series Forecasting-II	15	1
AS & RM 303	Research Project	150	10
		180	12

(Lectures: 25 hours; Practical: 20 hours; Independent research project: 150 hours)

Total hours: 300

Total Credits: 20

Duration: 6 months

Course Fee: Rs.48, 000

Registration Fee: Rs.1000

Mode of Conduct: Online via Zoom

Lectures & Practical on Saturday 08:30 to 16:00

Contact:

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