



## Postgraduate Diploma in Data Science (PDDS)

### Programme Overview

- The Postgraduate Diploma in Data Science (PDDS) is a multidisciplinary programme designed to equip professionals from diverse backgrounds with essential data skills for today's data-driven world. Tailored for non-specialists, the programme enables participants with no prior training in computer science or advanced mathematics to confidently apply data analytics in their professional roles across the public sector, private industry, NGOs, and civil society.

### Target Group

- It targets both the working class and those aspiring to take a career in Risk management in various sectors of the economy.

### Programme Duration

- 12 months

### Mode of Delivery

- The programme shall be offered on block release using a blended learning approach, combining face-to-face lectures and seminars with online learning, independent study, and practical fieldwork.

### Admission Criteria (Entry Requirements)

- a). An accredited bachelor's degree in any field and demonstrate proficiency in the fundamentals of computer studies, mathematics, and statistics.
- b). Candidates with other professional qualifications but with relevant professional experience in data related field may also be considered.

### Why Choose Our Programme

- Designed for non-specialists with no prior training in computer science or advanced mathematics.
- Gain real-world data skills through case studies, projects, and applied learning.
- Build competencies in data analysis, machine learning, and data visualisation relevant across sectors.

### Contact Us

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## COURSE OUTLINE CONTENT

| code                       | Module Title                              |
|----------------------------|-------------------------------------------|
| PDDS8101                   | Database Systems                          |
| PDDS8102                   | Introduction to Data Science              |
| PDDS8103                   | Statistical Foundations for Data Science  |
| PDDS8104                   | Programming for Data Science              |
| PDDS8105                   | Fundamentals of Machine Learning          |
| Total semester one credits |                                           |
| PDDS8201                   | Big Data Analytics                        |
| PDDS8202                   | Cloud Computing                           |
| PDDS8203                   | Data Visualisation and Communication      |
| PDDS8204                   | Artificial Intelligence Ethics and Policy |
| PDDS8205                   | Applied Data Science Project              |