## Online Certificate Course on

## "Introduction to ML with Python"

## (*Under the Anchor Institute Program*)

**Funded by:**

The Centre for Entrepreneurship Development (CED) A Government of Gujarat Organisation.

**Organized by:**

Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat, India (DA-IICT).

**About the Course:**

This course is designed to familiarize participants with the basic concepts of machine learning along with relevant fundamentals of probability theory, random variables, matrix computations, and optimization. Given the prevalence of image-related data in today's applications, the course will delve into the intricacies of digital image processing, offering participants hands-on experience. Subsequently, the course will delve into the evolving field of deep neural networks (DNN) after covering classical machine learning techniques. As the course approaches its conclusion, adversarial machine learning will be introduced.

**Key Course Details:**

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| **Course Name** | Introduction to ML with Python |
| **Mode** | Online |
| **Tentative Start Date** | 05th January 2024 |
| **Course Schedule** | The course will be conducted on weekends, specifically on Friday and Saturday evenings, IST. Detailed timing information will be shared at a later date. |
| **Course Duration** | The duration of the course will be 40 hours, consisting of 22 hours of theory sessions and 18 hours of practical laboratory sessions. |

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(A Govt. of Gujarat Organization)

Funded Anchor Institute

**Dhirubhai Ambani Institute of Information and Communication Technology**

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| **Target Audience** | This course is tailored for Faculty members, Professionals, Postgraduate students, and Senior Undergraduate students, providing a comprehensive introduction to the fascinating world of Machine Learning with Python. |
| **Comprehensive Information About Instructors and Course Content** | Please Click Here |
| **Course Fee (Pay Online)** | Participants are charged a fully refundable upfront course fee of 5,000 INR. |
| **Refund Policy** | Maintain a 75% minimum attendance to be eligible for the refund. |

**Topics to be covered:**

The course will cover the broad spectrum of the following six modules:

- Mathematical Preliminaries

- Introduction to Digital Image Processing

- Supervised Learning

- Unsupervised Learning

- Deep Neural Networks

- Adversarial ML

For more information,   **Click here**