Curio & CliMed Academy, a constituent unit of CliMed Research Solutions

PRESENTS

A Four-day short-term skill-development course on

Artificial Intelligence in Pharmacovigilance Workflow

25-27 April 2025 (Fri–Sun)
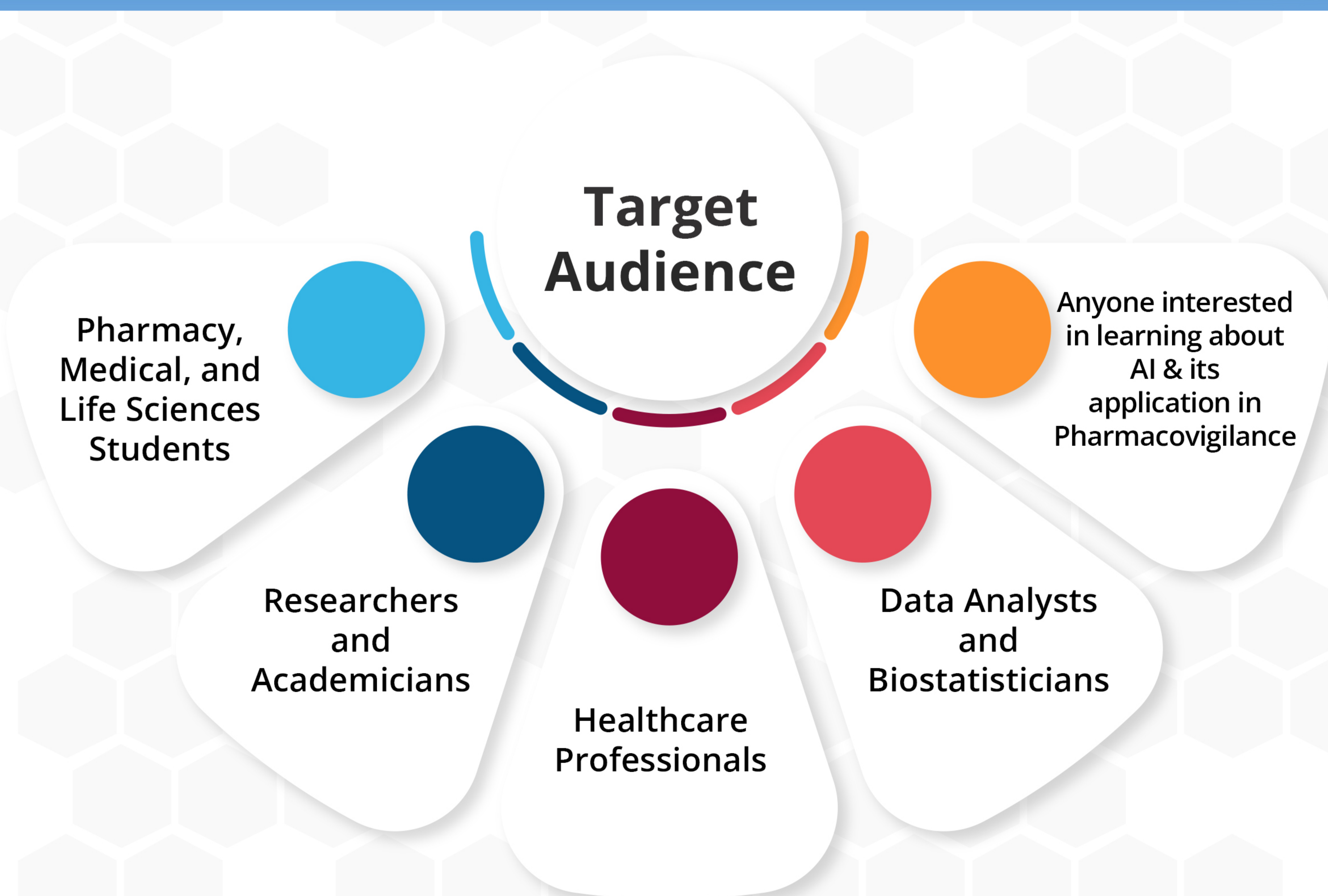### 6.30 PM – 8.00 PM Every Day

Limited Seats

About the Course:

This course explores the transformative role of artificial intelligence (AI) in pharmacovigilance. Participants will learn about common AI models used in the field, including machine learning and natural language processing. Participants will be introduced to key applications of AI in Pharmacovigilance, such as adverse drug reaction (ADR) detection, signal detection, and pharmacovigilance surveillance. Additionally, the course covers AI's role in regulatory compliance processes. By the end, learners will understand how AI enhances the reporting and data collection of ADR and the role of AI in improving the efficiency and accuracy of pharmacovigilance data, equipping them with essential knowledge for modern drug safety monitoring and reporting.

Course Highlights:

✓ Introduction to common AI models in pharmacovigilance

✓ Application of AI in ADR detection and signal detection

✓ Application of AI in pharmacovigilance surveillance

✓ Application of AI in regulatory compliance

Target Audience

Pharmacy, Medical, and Life Sciences Students

Researchers and Academicians

Healthcare Professionals

Data Analysts and Biostatisticians

Anyone interested in learning about AI & its application in Pharmacovigilance

Syllabus:

Day 1: AI and its application in pharmacovigilance

- **Session 1: Machine Learning & Bayesian Networks**

  Popular AI models used in PV and How AI predicts drug risks faster than traditional methods.

- **Session 2: AI in Data Collection & Case Processing**

  How NLP extracts ADR signals from medical literature, EHRs, and regulatory reports.

- **Session 3: AI for ADR & Signal Detection & Reporting**

  How AI chatbots and voice-to-text systems automate ADR reporting and detection.

Day 2: Use of AI in Monitoring Large scale Pharmacovigilance Data

- **Section 4 AI in & Risk Assessment**

  How AI analyzes big data from EHRs and insurance claims to detect hidden ADRs

- **Section 5 AI in Post-Marketing Surveillance & RWE**

  How AI processes wearable device data (Fitbit, Apple Watch) & social media feedback.

  How AI forecasts long-term drug safety trends using historical patient data.

- **Section 6 AI-Driven Disproportionality Analysis**

  How AI improves signal detection in SRS databases like FAERS and VigiBase.

Day 3: AI in Regulatory compliance & its future in PV

- **Regulatory Compliance of AI in Pharmacovigilance**

  How AI aligns with FDA, EMA, and WHO guidelines while ensuring data security.

- **Future of AI in Pharmacovigilance**

  How AI is transforming drug safety and patient care.

Certification:

Upon completing the course, participants will receive an E-Certificate of Completion. Assessment will be conducted through mini-quizzes and practical assignments.

Dates & Timings:

25-27 April 2025 (Fri-Sun)

6.30 PM – 8.00 PM Every Day

Last Date to Register April 24, 2025

Course fee
299 INR only
(70% Discount on 999 INR)

Register here
https://rzp.io/rzp/cuaipv

Course Director

Dr. Himani Singh, BDS
Med-Tech Clinical Specialist
Health-Tech Product Management

Dr. Himani Singh is a healthcare product leader with diverse experience in digital health, diagnostic screening, healthcare softwares & clinical innovation. She has led impactful health-tech products at Reliance - JioHealth, CrelioHealth, CareStack & Cognizant including AI-based diagnostic platforms, mobile health apps, and lab/hospital management systems. Her work has enabled over 5 lakhs public health screenings, supported clinical AI deployments in partnership with IITs, and contributed to national policy efforts on anaemia. Himani has also trained 3,700+ ASHA workers for on-ground digital health implementation and actively promotes health-tech awareness through workshops for healthcare and engineering students. She holds a degree in Dental Surgery and combines her clinical insight with product expertise to build technology that bridges gaps in healthcare delivery.