ACCELERATED CERTIFICATE COURSE IN ARTIFICIAL INTELLIGENCE IN LIFE SCIENCE

School of Life Science - Skill Development Training & Research

🎯 COURSE OVERVIEW

Transform your career with cutting-edge AI skills tailored specifically for Life Science professionals. This intensive 8-hour weekend program delivers practical knowledge and hands-on experience with AI tools revolutionizing pharmaceuticals, healthcare, and medical technology sectors.

Duration

1 Month (8 Hours Total)

Schedule

Weekend Classes Only (Saturday & Sunday)

Platform

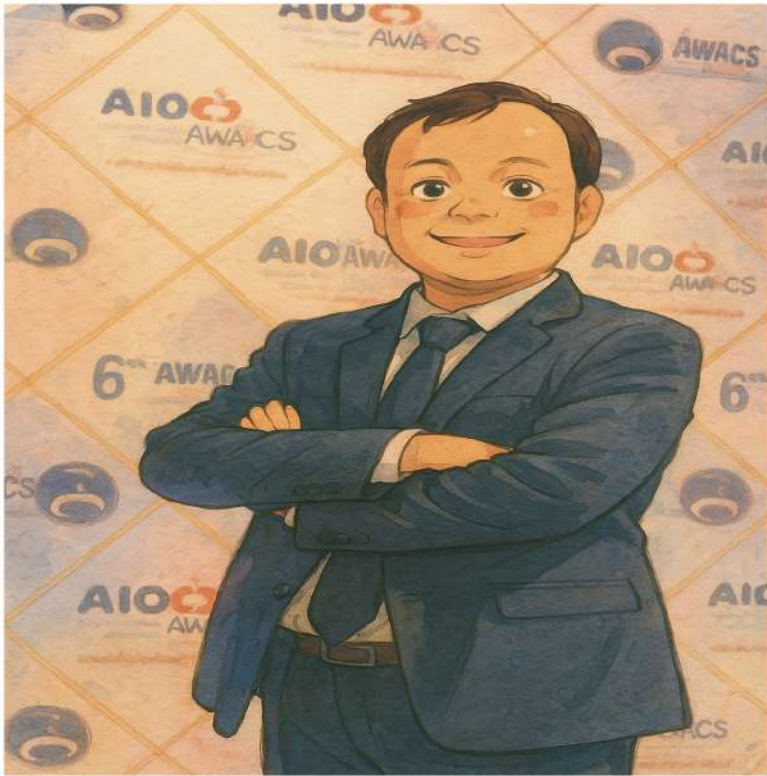Virtual Learning Environment

Certificate

Accelerated Certificate in AI for Life Science

🧑‍🏫 MEET YOUR EXPERT FACULTY

Dr. Manasranjan Rout

Renowned Strategy Consultant & Generative AI Expert in Life Science

CEO Impeerical Consulting Private Limited and School of Life Science – Skill Development Training and Research

Professional Highlights

Industry Experience

23+ Years of Life Science Industry Experience

Leadership Roles

Founder & Director - Impeerical Consulting (Pvt.) Ltd.

Founder & CEO - School of Lifesciience

Global Impact

5,000+ Projects executed across **500+ clients** globally
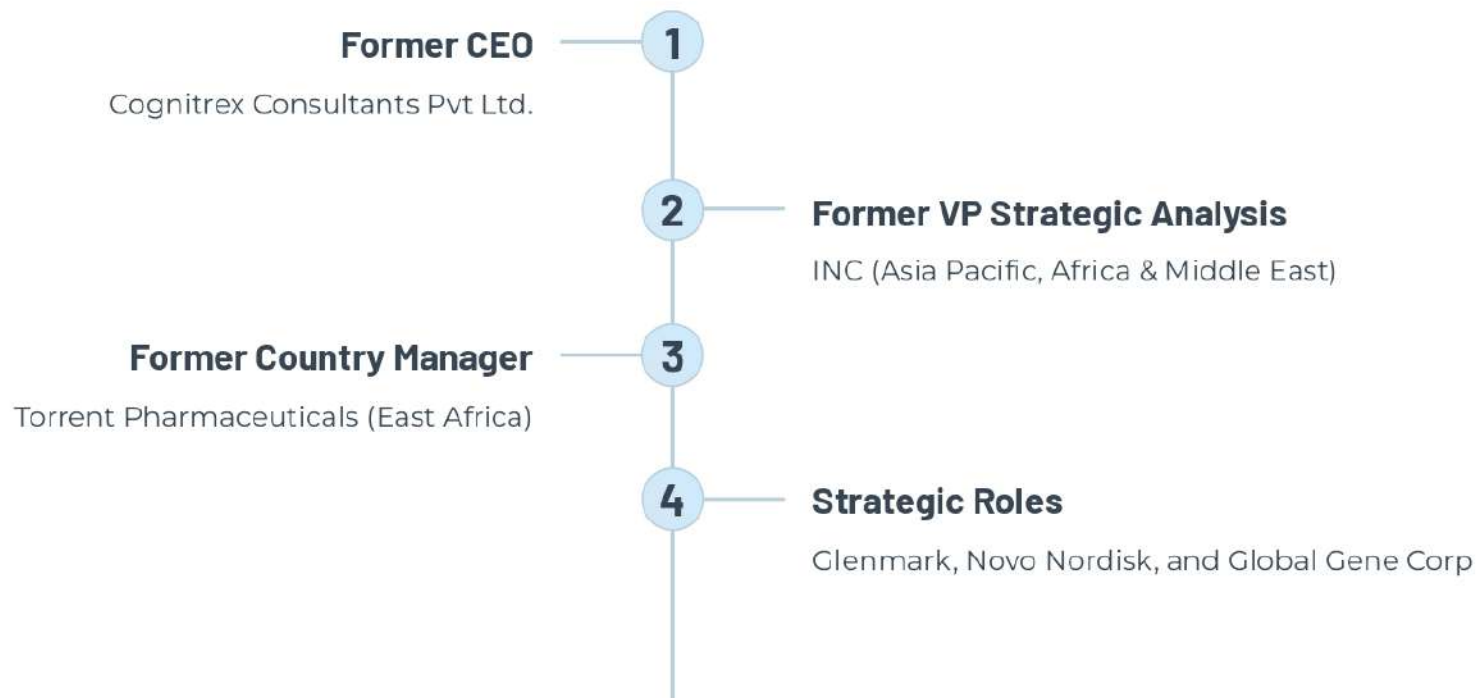
Academic Role

Professor of Practice - MVN University, Haryana

Educational Credentials

- Ph.D. (Honoris Causa) Strategy Marketing, Theophany University, USA
- IIM Kozhikode - Strategic Management
- PGDM Marketing - Symbiosis International University
- B.Com - Osmania University

Industry Experience

Former CEO — ①
Cognitrex Consultants Pvt Ltd.

② — **Former VP Strategic Analysis**
INC (Asia Pacific, Africa & Middle East)

Former Country Manager — ③
Torrent Pharmaceuticals (East Africa)

④ — **Strategic Roles**
Glenmark, Novo Nordisk, and Global Gene Corp

📚 COMPREHENSIVE COURSE CURRICULUM

Module 1

Foundations of AI in Life Science

Module 2

AI Applications Across Life Science Sectors

Module 4

Hands-on Implementation and Strategy

Module 3

Essential AI Tools for Life Science Professionals

Module 1: Foundations of AI in Life Science (2 Hours)

Session 1A: AI Fundamentals for Life Science Professionals

- Understanding Artificial Intelligence: Concepts and Terminology
- Machine Learning vs Deep Learning vs Generative AI
- AI Evolution Timeline and Current Market Landscape
- Key AI Applications Transforming Life Sciences

Session 1B: AI Business Case in Life Science

- ROI Analysis of AI Implementation
- Success Stories from Leading Pharmaceutical Companies
- Market Intelligence through AI
- Regulatory Considerations for AI in Healthcare

Module 2: AI Applications Across Life Science Sectors (2 Hours)

Session 2A: Pharmaceutical Industry Applications

- Drug Discovery and Development Acceleration
- Clinical Trial Optimization
- Pharmacovigilance and Safety Monitoring
- Regulatory Submission Enhancement
- Supply Chain Optimization

Session 2B: Healthcare & Medical Device Applications

- Diagnostic Imaging and Radiology
- Personalized Medicine and Treatment Planning
- Hospital Operations Management
- Medical Equipment Predictive Maintenance
- Surgical Consumables Demand Forecasting

Module 3: Essential AI Tools for Life Science Professionals (2 Hours)

Session 3A: Conversational AI Platforms

ChatGPT

Research assistance, content creation, data analysis

Claude

Scientific writing, regulatory document review

Perplexity

Real-time research and fact-checking

Gemini

Multi-modal analysis and integration

Grok

Real-time insights and trend analysis

Session 3B: Specialized AI Tools

Gamma

Presentation creation and data visualization

Data Squirrel

Advanced analytics and reporting

BioPharma AI Platforms

Industry-specific solutions

Regulatory AI Tools

Compliance and documentation

Market Intelligence AI

Competitive analysis platforms

Module 4: Hands-on Implementation and Strategy (2 Hours)

Session 4A: Practical AI Implementation

- Step-by-step guide to integrating AI tools
- Creating AI-powered workflows
- Data preparation and management
- Quality control and validation processes

Session 4B: Strategic AI Adoption

- Building AI roadmap for your organization
- Change management for AI implementation
- Measuring AI impact and success metrics
- Future trends and emerging technologies

🎯 LEARNING OUTCOMES

Upon completion, participants will be able to:

- **Understand core AI concepts and their relevance to life sciences**

- **Identify AI opportunities within pharmaceutical, medical device, and healthcare sectors**

- **Utilize popular AI tools for research, analysis, and content creation**

- **Develop AI implementation strategies for their organizations**

- **Analyze market trends using AI-powered intelligence tools**

- **Create AI-enhanced presentations and reports**

- **Navigate regulatory considerations for AI in life sciences**

- **Build data-driven decision-making capabilities**

🎯 WHO SHOULD ATTEND

Primary Target Audience:

Students & Faculty

Pharmaceutical students and faculties looking to enhance their AI knowledge

Pharma Professionals

R&D, Marketing, and Regulatory professionals in pharmaceutical industry

Healthcare Leaders

Healthcare Administrators, Managers, and Hospital Management Personnel

Medical Device Experts

Engineers, Product Managers, and Sales Representatives

Researchers & Scientists

Biotechnology Researchers, Clinical Research Associates, and Life Science Consultants

ⓘ **Experience Level:** Beginner to Intermediate (No prior AI experience required)

📋 COURSE STRUCTURE & SCHEDULE

Weekend Learning Format

Weekend	Day	Duration	Modules Covered
Week 1	Saturday	2 Hours	Module 1: AI Foundations
Week 1	Sunday	2 Hours	Module 2: Sector Applications
Week 2	Saturday	2 Hours	Module 3: AI Tools Mastery
Week 2	Sunday	2 Hours	Module 4: Implementation Strategy

Saturday Sessions
10:00 AM - 12:00 PM IST
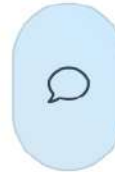
Sunday Sessions
2:00 PM - 4:00 PM IST

🛠️ HANDS-ON LEARNING APPROACH

Interactive Learning Elements:

- Live Demonstrations of AI tools in real-world scenarios

- Case Study Analysis from leading pharmaceutical companies

- Interactive Q&A Sessions with industry expert

- Practical Exercises using AI platforms

- Group Discussions on implementation challenges

- Resource Library with templates and guides

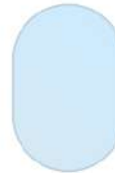## Tools & Platforms Covered:

- ChatGPT for research and content creation

- Claude for scientific writing and analysis

- Perplexity for real-time research

- Gemini for multi-modal tasks

- Industry-specific AI platforms

🏆 CERTIFICATION & ASSESSMENT

Certificate Requirements:

Attendance

Minimum 80% participation required

Practical Assignment

AI tool implementation project

Final Assessment

Multiple choice exam covering all modules

Capstone Project

AI strategy proposal for your organization

Certificate Benefits:

Industry Recognition

From School of Life Science – Skill Development Training and Research

Digital Badge

For LinkedIn profile enhancement

Continuing Education

Credits for professional development

💰 INVESTMENT & VALUE

Course Fee Structure:

₹4,999

Early Bird Special

(Limited Time)

₹6,999

Regular Fee

15%

Group Discount

For 3+ participants from same organization

What's Included:

- All 8 hours of expert instruction
- Comprehensive study materials
- Access to AI tool trials
- Recording of all sessions
- Certificate of completion
- 30-day post-course support
- Resource library access

Unlock your future

📞 REGISTRATION & CONTACT

👤 How to Register

Online registration available

🗂 Batch Size

Limited to 30 participants for personalized attention

🌟 WHY CHOOSE THIS COURSE?

Unique Value Proposition:

- **Industry-Specific Focus** tailored for life science professionals
- **Expert Faculty** with 23+ years of industry experience
- **Practical Approach** with hands-on tool usage
- **Flexible Weekend Schedule** for working professionals and students
- **Virtual Platform** enabling global participation
- **Comprehensive Coverage** from basics to implementation
- **Post-Course Support** for ongoing learning

Career Impact:

- Enhance your professional skill set with in-demand AI capabilities
- Accelerate your career growth in the evolving life science landscape
- Increase your value proposition to current and future employers
- Network with like-minded professionals across the industry
- Stay Ahead of technological disruption in your field

📋 FREQUENTLY ASKED QUESTIONS

Q: Do I need prior AI experience?

A: No, this course is designed for beginners and covers fundamentals before advancing to practical applications.

Q: Will I get access to AI tools during the course?

A: No, we will only provide training how to use various AI platforms for hands-on learning.

Q: Are sessions recorded?

A: Yes, all sessions are recorded and available for life long within 24 hours post-completion.

Q: What technical requirements do I need?

A: A computer/laptop with stable internet connection and basic software capabilities.

Transform Your Life Science Career with AI

Enroll Today!

School of Life Science - Skill Development Training & Research

"Bridging the Gap Between Traditional Life Sciences and Future Technologies"