DIGITAL REGENESYS
Awakening Potential

IITPSA Accredited



Artificial Intelligence Course

- International Certification
- Real World Projects
- Live Classes

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Digitally Transforming Organisations











































And 1000+ Organisations

IITPSA Accreditation: A Milestone for Excellence

Regenesys Education is accredited by the Institute of Information Technology Professionals South Africa (IITPSA).

Established in 1957, IITPSA is South Africa's leading professional body- committed to growth of ICT Professionals and ensuring IT courses are high-quality, job-ready, and meet industry standards.

Why Is IITPSA Accreditation Important?

IITPSA accreditation is a hallmark of quality, affirming that Regenesys Education meets the highest standards in curriculum design, faculty expertise, and industry alignment.

It ensures our courses are recognised locally and internationally, providing our students with a competitive edge in the job market.

What are CPD Points?

CPD, or "Continuous Professional Development" refers to structured learning activities aimed at improving professional knowledge, skills, and competencies.

Purpose:

- To ensure professionals stay updated with the latest trends, tools, and best practices in their field.
- To maintain and enhance professional standards and career development.

Our IITPSA-accredited courses provide CPD opportunities, helping professionals meet annual requirements to maintain industry body memberships while enhancing their expertise.

About The Course



Artificial Intelligence is reshaping how we live and work, from self-driving cars to virtual assistants. To help you thrive in this field, Digital Regenesys offers the Artificial Intelligence Course - a 24-week immersive journey covering machine learning, neural networks, NLP, and AI ethics.

Gain hands-on experience with cutting-edge AI tools and real-world case studies, equipping you to develop AI-driven solutions and drive innovation. Whether you are an aspiring AI enthusiast or a professional looking to upskill, this course provides a strong foundation in AI concepts and applications.

Join us and take the next step towards becoming an AI expert.

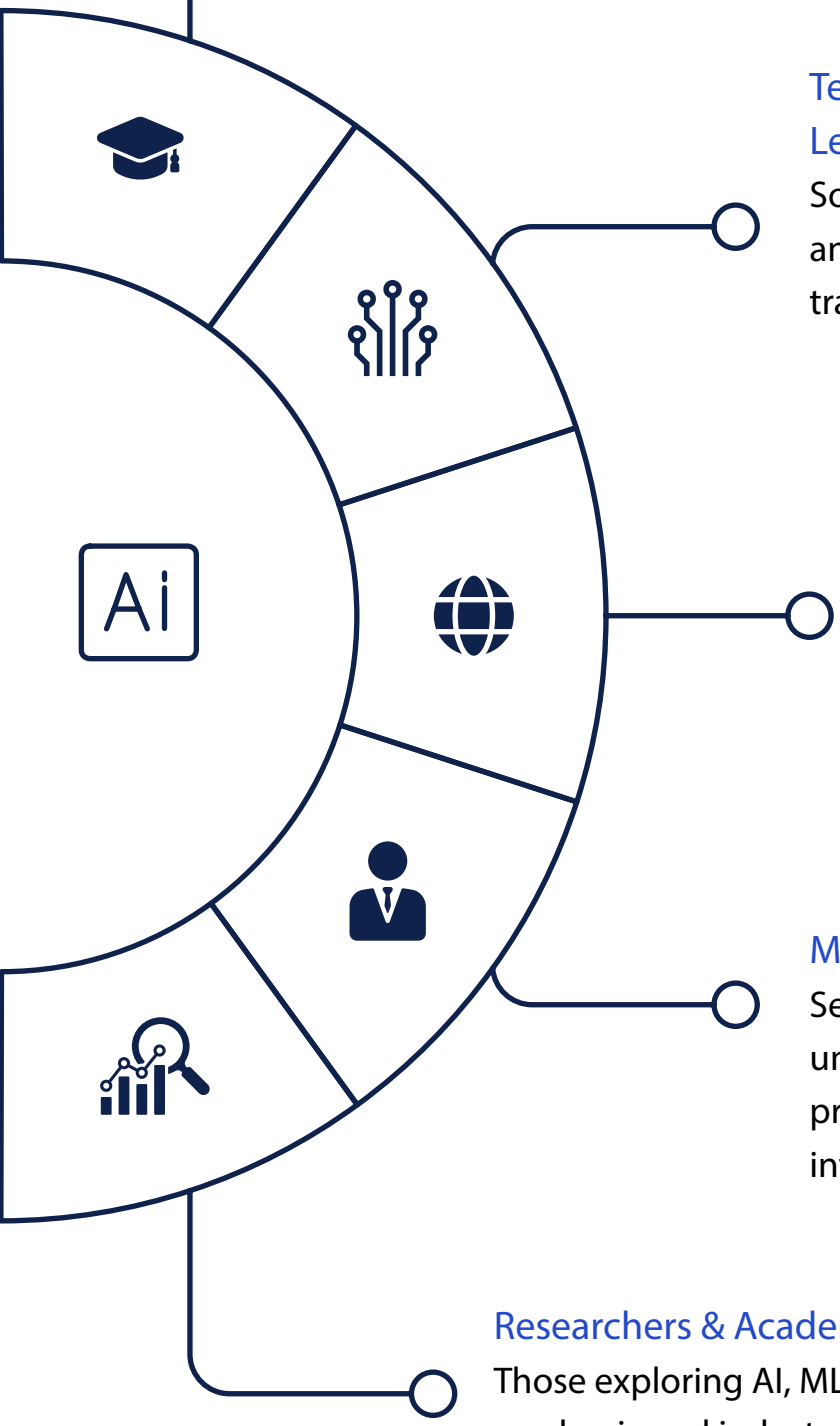
- A holistic teaching approach
- Receive a Certificate of Completion by Digital Regenesys
- Interactive sessions with industry experts
- Learn from Doctoral Level Facilitators via live virtual sessions

Course Structure

Weeks	Program Level	Focus
08 WEEKS	Introductory Artificial Intelligence	Programming Foundations for AI and Applied Programming for AI
08 WEEKS	Intermediate Artificial Intelligence	Predictive Modeling with Regression and Predictive Modeling with Classification & Clustering techniques
08 WEEKS	Advanced Artificial Intelligence	Deep Learning & Neural Architectures and Natural Language Processing & Computer Vision



Who is This Course For



Students & Fresh Graduates:

Those looking to build AI expertise and enhance their career prospects in AI, and machine learning.

Tech Professionals (Junior & Senior Levels):

Software developers, data engineers, analysts, and IT professionals who want to transition into AI and ML roles.

Non-Tech Professionals & Domain Experts:

Business analysts, finance professionals, healthcare practitioners, and marketing specialists looking to leverage AI in their industries.

Managers & Decision-Makers:

Senior professionals seeking to understand AI's potential for automation, predictive modeling, and business intelligence.

Researchers & Academicians:

Those exploring AI, ML, NLP, and Computer Vision for academic and industry applications.

After Completion of The Course

- Set up an AI development environment and build a strong programming foundation with logic, data structures, and control flow.
- Develop proficiency in Programming for AI-driven tasks by applying modular programming, automation and data handling techniques.
- Master AI model development for regression tasks and apply advanced analytical techniques to convert raw data into meaningful features.
- Gain hands-on experience in supervised and unsupervised learning, apply model evaluation, and deploy AI solutions for real-world decisions.
- Design and implement neural networks, using CNNs for vision and RNNs for sequential data in AI applications.
- Develop AI models for Natural Language Processing and Computer Vision with preprocessing, classification, and real-world applications.

Curriculum Overview

Module 1

Programming Foundations for AI

Ability to set up an AI development environment, Skills in implementing mathematical operations and computational logic, Understanding of data structures for AI applications

Duration: 16 hours (4 weeks)

Python

Jupyter Notebook

Anaconda

Module 2

Applied Programming for AI

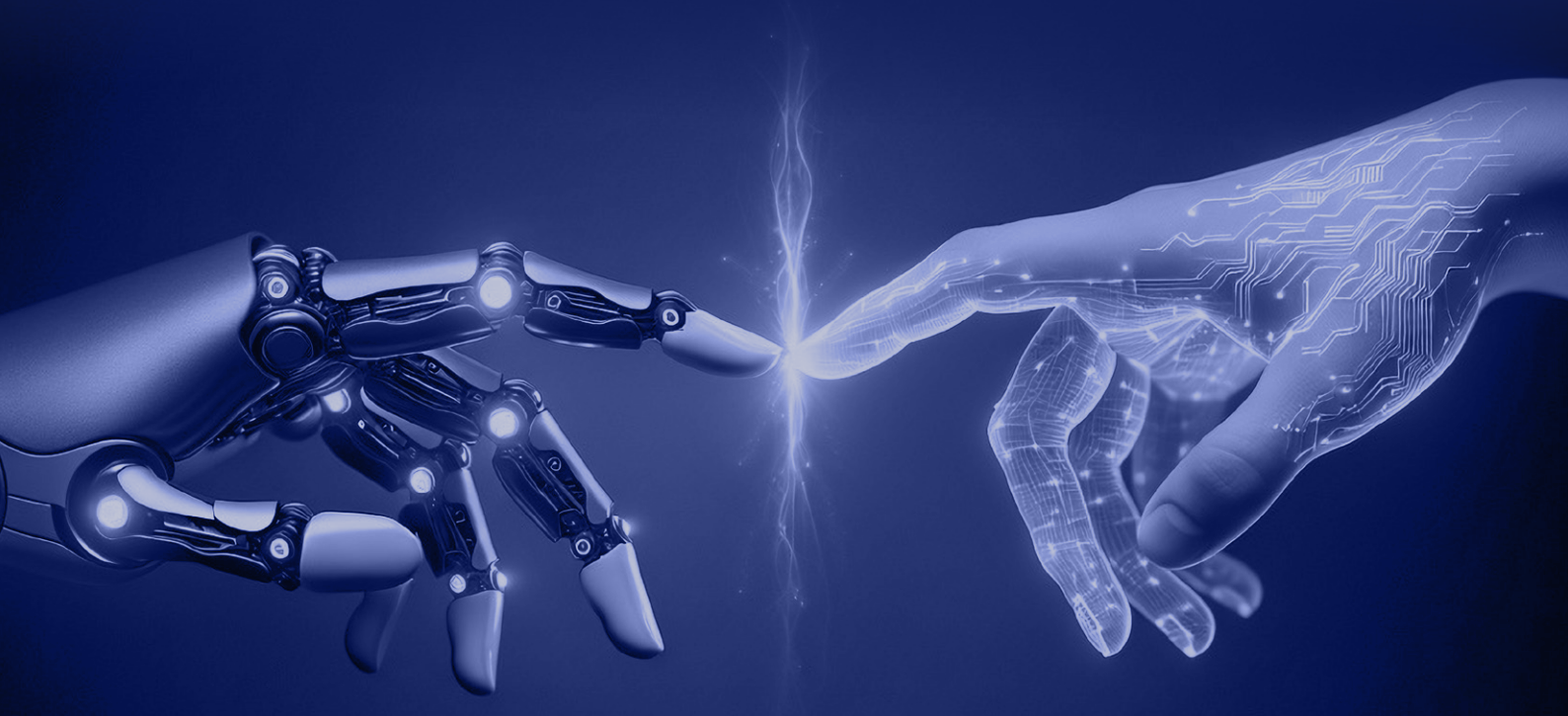
Ability to apply modular programming for AI tasks, Proficiency in automating processes and handling data efficiently

Duration: 16 hours (4 weeks)

NumPy

Pandas

Seaborn



Module 3

Predictive Modeling with Regression

Understanding of AI-based regression techniques, Skills in feature engineering and data transformation for AI applications

Duration: 16 hours (4 weeks)

NumPy Pandas Seaborn

Module 4

Predictive Modeling with Classification & Clustering Techniques

Hands-on expertise in supervised and unsupervised learning methods, Ability to evaluate and optimise AI models, Proficiency in deploying AI solutions for intelligent decision-making

Duration: 16 hours (4 weeks)

Scikit-Learn



Module 5

Deep Learning & Neural Architectures

Ability to design and implement neural networks, Expertise in CNNs for computer vision and RNNs for sequential data processing

Duration: 16 hours (4 weeks)

TensorFLow Pandas Keras Seaborn

Module 6

Natural Language Processing & Computer Vision

Proficiency in text and image preprocessing techniques and skills in applying AI models for real-world applications.

Duration: 16 hours (4 weeks)

TensorFLow Pandas Keras Seaborn OpenCV NLTK



Self-Paced Modules

Master cutting-edge AI applications through hands-on, pre-recorded sessions that equip you with real-world skills in NLP, Computer Vision, and Time Series Analysis.

Applied Natural Language Processing

Build intelligent text-based systems using state-of-the-art NLP tools.

- Hugging Face Pipelines for Quick NLP Deployment
- Automated Text Summarization Techniques
- Building NLP-Driven Recommendation Engines

Applied Computer Vision

Harness the power of AI to analyze and understand visual data.

- Real-Time Object Detection Techniques
- Intelligent Video Stream Object Tracking
- Human Pose Estimation & Behavioral Insights

Applied Time Series Analysis

Predict trends and make data-driven decisions using time series forecasting.

- Time Series Data Basics & Manipulation with Pandas
- Statistical Models: ARIMA, SARIMA
- Deep Learning for Time Series Forecasting (LSTM, GRU)
-

Key Highlights



Career Opportunities

From our AI course, participants can explore exciting roles such as:

- Machine Learning Engineer
- AI Research Scientist
- AI Engineer
- Computer Vision Engineer
- AI Product Manager
- AI Consultant

Work Readiness

Work Readiness at Digital Regenesys empowers learners with critical soft skills, emotional intelligence, stress management, and mindfulness, fostering resilience and adaptability to meet evolving professional demands. By bridging the gap between academic learning and workplace expectations, it prepares learners for success in the workplace. Practical components like resume building and LinkedIn profile optimisation complement this approach, ensuring learners are equipped for real-world challenges.

Foundations of Work Readiness

Unit 1 : Introduction to Soft Skills
Unit 2 : Communication Skills
Unit 3 : Resume Crafting and Digital Presence

Level 01

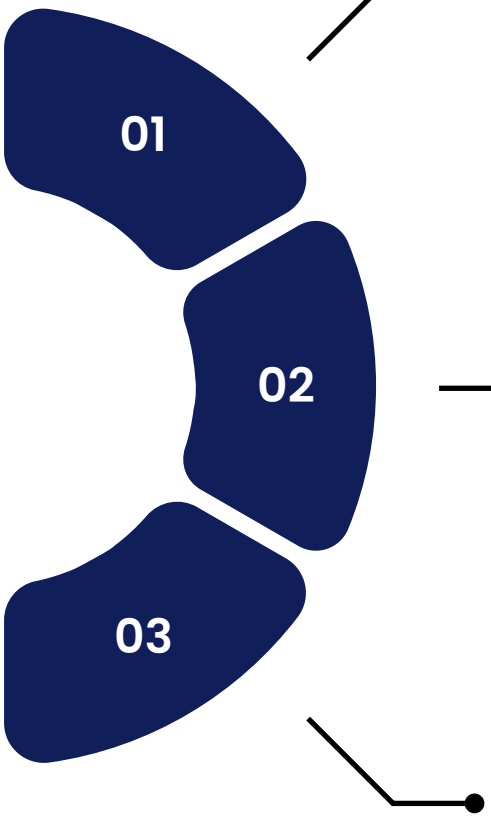
Advanced Work Readiness (Practical-Oriented)

Unit 1 : Advanced Soft Skills
Unit 2 : Emotional Intelligence
Unit 3 : Stress Management
Unit 4 : Mindfulness

Level 02

Industry Expert Sessions

At Digital Regenesys, we bring learning to life with exclusive Industry Expert Sessions integrated into every course. These sessions not only connect students with seasoned professionals who share real-world insights, emerging trends, and practical knowledge but also foster personal growth. Through interactive Q&A discussions, learners gain clarity, enhance their decision-making skills, and develop a deeper understanding of their career paths, ensuring they are both industry-aligned and future-ready.



Exclusive Industry Insights

Understand the latest strategies, emerging trends, and expert knowledge from leaders at the forefront of their fields.

Interactive Sessions

Connect with seasoned professionals through dynamic Q&A sessions that inspire critical thinking and practical learning.

Future-Ready Expertise

Master the skills and knowledge essential for excelling in today's competitive, ever-evolving professional landscape.

Work Readiness Programme Benefits

- Develop Critical Skills:
  Gain soft skills like collaboration, adaptability, and conflict resolution.

- Communicate Confidently:
  Improve verbal, non-verbal, and digital communication for professional interactions.

- Build Your Professional Identity:
  Create impactful resumes, optimise LinkedIn profiles, and manage your online presence.

- Learn from Experts:
  Gain real-world insights, emerging trends, and practical strategies from seasoned professionals.

- Prepare for Success:
  Tackle workplace challenges confidently and align with future career opportunities.



Recognised Certification



Course Fee

South Africa	Tanzania	Uganda	Nigeria	Kenya
R55,100	TSh5,760,500	UGX7,174,500	~~₦2,984,600~~	Ksh286,520

India	USA	Botswana	Namibia	Zimbabwe
₹275,500	$3,074	P48,761	$49,590	ZWG75,136

Zambia	Mauritius	Lesotho	Eswatini
ZMW68,503	MURs153,911	LSL55,100	SZL55,100

Our Global Network

We Have Students Thriving in Over 180 countries, Supported By Our Offices In Six Key Locations Worldwide!



Contact Us

South Africa:
165 West Street, Sandton Johannesburg,
South Africa

Kenya:
1203, 12th Floor, GTC Office Tower Intersection of Waiyaki Way, Chiromo Ln, Nairobi, Kenya

Tanzania:
2nd Floor, Ocean Residence Building, Plot 418, Toure Drive, Masaki, Dar Es Salaam, Tanzania.

Botswana:
9W24+J7P, iTowers North,CBD, Gaborone, Botswana

Zimbabwe:
Eight2Five, Fourth Floor, Three Anchor House, Jason Moyo Avenue, CBD Harare, Zimbabwe

Nigeria:
8th Floor, Churchgate Tower 2 PC 31, Victoria Island, Lagos, Nigeria.

India:
Proxima Building, Unit 1101, 11th Floor, Plot 19, Sector 30A, Vashi, Navi Mumbai, India. 400705

Uganda:
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Zambia:
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Mauritius:
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