

CYBERSECURITY WITH AI



6-Month Course



Table of Contents

A Message From The Chairperson	03
IITPSA Accreditation: A Milestone For Excellence	04
About the Course	05
Course Benefits	06
Career Outcomes	07
Globally Recognised Certificate	08
Course Highlights	09
Who Should Enrol	10
Learning Outcomes	11
Course Curriculum	12
Tools Covered in this Course	15
Course Fee	16
Our Global Network	17
Contact Us	17

A Message From **THE CHAIRPERSON**

I am delighted to welcome you to Digital Regenesys, part of the Regenesys Group. The purpose of Regenesys is to help individuals awaken their potential and achieve their dreams. New technologies, social media, and innovation have sparked a digital revolution that is rapidly changing the world. The digital revolution demands a new breed of professionals to succeed in the new digital world. To give you a competitive advantage, we have developed cutting-edge digital programmes in the areas of information technology and management. Our programmes are facilitated by leading experts, entrepreneurs, and academics from top local and international institutions.

Regenesys is a global education institute with a presence in South Africa, India, Nigeria, Kenya, Tanzania, Croatia, Botswana, Mauritius, Zambia, Zimbabwe & Uganda, delivering cutting-edge online and contact learning programmes. Over the past 25 years, Regenesys has educated more than 500,000 students from 180+ countries and delivered corporate education programmes to 1000

Regenesys alumni occupy top leadership positions in multinational corporations and government institutions all over the world, and form a very influential alumni network that supports its members with business opportunities across the world.

Get inspired, energised, and transform your career with programmes grounded in the realities of the new digital world. I wish you success on your journey towards greatness.

– Dr Marko Saravanja

Founder & Chairperson,
Regenesys Education



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.

Gain 19 CPD Points through our IITPSA-accredited Cybersecurity with AI Course, supporting skill development and professional growth with global recognition.

About the **COURSE**



Digital Regenesys's 6-month Cybersecurity with AI course is designed for individuals who want to learn the fundamentals of cybersecurity and build practical skills at a steady pace. The course covers key areas such as security controls, threat analysis, risk assessment, and network security, with AI integrated throughout live online classes led by experienced faculty. Learning is simple and hands-on, with guided practice using 30+ commonly used cybersecurity tools to help you understand how networks and real-world systems are protected.

Here are some fascinating statistics highlighting the growing role of Artificial Intelligence in the cybersecurity market:

**USD 213.17
billion**

is the estimated growth of AI in the Cybersecurity market by 2034.

**61%
of organisations**

report they cannot effectively respond to breach attempts without AI support.

63%

of security breaches are detected more quickly when AI is integrated into cybersecurity systems.

Course BENEFITS



Global Recognition

Earn a globally recognised Digital Regenesys certification that enhances professional credibility in cybersecurity roles.

Attend live interactive sessions focused on concept clarity, guided practice, and collaborative discussions.

Weekly Live Classes



Industry-Ready Curriculum

Engage with an industry-aligned curriculum covering network security, ethical hacking, cloud security, threat detection, and risk management.

Benefit from personalised expert guidance to support learning progress and project development.

Personalised Guidance



Hands-On Learning

Gain practical experience through exercises, AI tools, case-based activities, and real-world security scenarios.

Connect with fellow learners, share ideas, and learn through group discussions and community engagement.

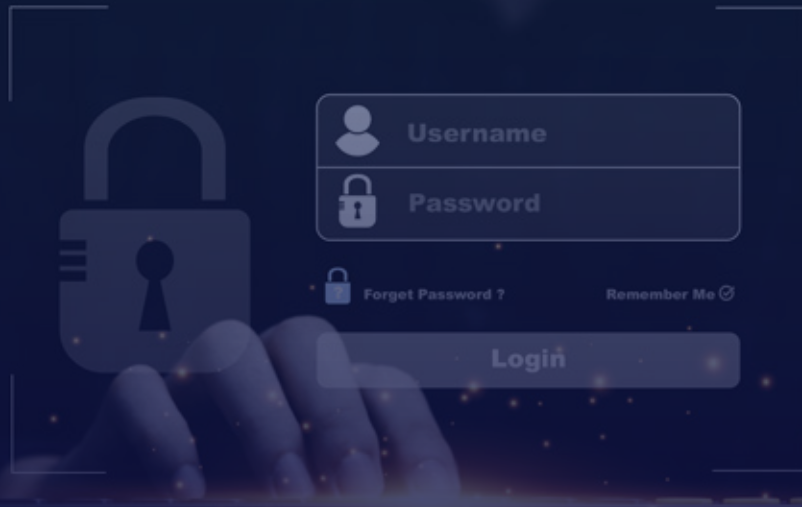
Collaborative Peer Networking



End-to-End Support

Receive continuous support for tools, exercises, projects, and technical assistance throughout the course.

Career OUTCOMES



- Cybersecurity Analyst
- Security Engineer
- Penetration Tester (Ethical Hacker)
- Malware Analyst
- Incident Responder
- Digital Forensics Examiner
- Security Auditor
- Security Architect
- Chief Information Security Officer (CISO)
- Security Consultant



Globally Recognised **CERTIFICATE**



After completing the Cybersecurity with AI course, you will receive a globally recognised and IITPSA-accredited certificate from Digital Regenesys. You gain 19 CPD points upon completion, providing a recognised starting point for entry-level and development roles in cybersecurity. The certificate reflects your ability to apply security controls, manage risks, protect systems and data, and work with modern security practices across networks, applications, and enterprise environments. It also demonstrates your understanding of AI-supported security concepts, preparing you for cybersecurity roles across industries.

Course **HIGHLIGHTS**

Capstone Projects

Apply your knowledge through practical cybersecurity projects based on real-world scenarios.

Beginner-Friendly Approach

Designed to support learners with little or no prior background in IT or cybersecurity.

3 Years LMS Access

Access to course materials, session recordings, and resources for up to three years.

Continuous Learning Support

Receive continuous support for queries, assignments, and hands-on activities throughout the course.



Who Should **ENROL**

The Cybersecurity with AI course at Digital Regenesys is designed for individuals seeking to build expertise in cybersecurity fundamentals and AI-supported security practices across modern digital environments, including:



Students & Early Career Professionals

Apply your knowledge through practical cybersecurity projects based on real-world scenarios.

Working Professionals

Employees and professionals across industries who want to expand their cybersecurity skills and contribute effectively to their organisation's cybersecurity initiatives.



Managers & IT Leaders

Entry to mid-level managers and professionals in IT, risk, or compliance roles who want to lead secure digital practices and protect business operations within their teams or organisations.



Learning **OUTCOMES**



Understand core cybersecurity principles, including confidentiality, integrity, availability (CIA), security controls, change management, and basic cryptographic techniques.



Understand network and infrastructure security concepts, including the OSI model, firewalls, VPNs, Wi-Fi security, and data protection methods.



Apply common security techniques such as access control, authentication, vulnerability management, and security monitoring using SIEM concepts.



Understand security governance, risk assessment, compliance frameworks, and audit processes aligned with organisational security requirements.



Develop practical system security skills across Windows and Linux environments, and apply data protection techniques using encryption, hashing, and digital signatures.



Implement secure authentication practices, including password management, email security, browser hardening, and privacy controls.



Apply network and web security techniques, including traffic analysis, intrusion detection, vulnerability scanning, and OWASP-based assessments.

Curriculum Overview

COURSE OUTLINE FOR ZERO TO SECURE: BASIC

- Core security concepts
- Types of Security Controls
- Cryptography Techniques
- Threat Actors and Vectors
- Types of Vulnerabilities
- Malicious Activity and Indicators
- Mitigation Techniques
- IT Infrastructures and considerations
- Network Devices, OSI Model, and IP Addressing
- Firewalls, Secure Communication, Wifi Security
- Network Devices, OSI Model, and IP Addressing
- Types of Data and Protection Techniques
- Common Security Techniques
- Vulnerability Management
- Security Monitoring Concepts
- Security Governance and Risk Assessment
- Risk Management, Compliance and Audits

COURSE OUTLINE FOR ZERO TO SECURE: INTERMEDIATE

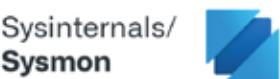


- **Windows 101**
- **Data Protection: Documents, Files and Validation**
- **Password Management**
- **Email Protection**
- **Browser Hardening**
- **Threat Hunting and Behavioural Analysis**
- **Linux 101**
- **Password cracking**

COURSE OUTLINE FOR ZERO TO SECURE: ADVANCED

- 
- **Network Security Essentials**
 - **Web Application Security Essentials**
 - **SIEM Essentials**
 - **EDR Essentials**
 - **SOC Essentials**

Tools Covered IN THIS COURSE



Course FEE

South Africa  R38,800	Tanzania  TSh3,533,600	Uganda  UGX4,401,000	Nigeria  ₦1,830,800	Kenya  Ksh175,760
India  ₹169,000	USA  \$1,886	Botswana  P29,912	Namibia  \$30,420	Zimbabwe  ZWG46,091
Zambia  ZMW42,022	Mauritius  MURs94,413	Lesotho  LSL33,800	Eswatini  SZL33,800	



Our Global NETWORK

We Have Students Thriving in over 180 countries, Supported By Our Offices In Eleven 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:

2nd Floor, Wing A, Mirembe Business Center,
Plot 46, Lugogo Bypass, Kampala P.O. Box 75391

Zambia:

Sunshare Towers, Plot 15585, Olympia, 1 Katima
Mulilo Rd, Lusaka 10101, Zambia

Mauritius:

SF201 E, The Factory Building, Vivea Business
Park, Moka, Mauritius

