

Course Name	Mastering Cyber Intelligence: OSINT and Beyond
Course Duration	4 days (32 Hours)
Time Division	Break: 1 hr. 15 Minutes/day Session: 6 Hrs. 45 Minutes /day
Target Audience	Anyone that wants to learn OSINT, hackers, security professionals, investigators, people interested in security
Course Objectives	Understand Open-Source Intelligence (OSINT) methods, including AI applications, for gathering digital information.
	Learn practical OSINT techniques for data collection, analysis, and reporting, leveraging AI tools.
	Explore advanced OSINT topics like dark web data harvesting and AI-driven analysis for threat detection.
Course Outcomes	Gain skills in applying AI-powered OSINT methods to gather and analyze digital data effectively.
	Develop proficiency in using AI-driven tools for OSINT tasks, enhancing investigative capabilities.
	Acquire knowledge to identify and mitigate cyber threats through AI-enhanced OSINT practices.

Important Note:

- Courseware – Reference material/ppt will be provided.
- Tools used – Cylect.io, Jupyter notebook

Module 1	Open-Source Intelligence Methodologies and Frameworks
1.1	Introduction to OSINT
1.2	How Attackers and Defenders Use OSINT
1.3	OSINT Gathering Techniques
1.4	Artificial Intelligence: The Future of OSINT?
1.5	OSINT Tools
1.6	Open-Source Investigation Best Practices
1.7	Imperva Application Protection Powered by Threat Intelligence
Module 2	OSINT Data Collection, Analysis, and Reporting

2.1	Reporting
2.2	Sock puppets
2.3	Data Collection
2.4	Advance Searching
2.5	Reverse Searching
2.6	Employee and Employer Searching
2.7	People Searching
2.8	Website OSINT
Module 3	Harvesting Data from the Dark Web
3.1	TOR Browser
3.2	Accessing Darknet- Entry points
3.3	Communicate privately and anonymously – using Email
3.4	Communicate privately and anonymously – Instant Messaging
3.5	File Management and File Sharing
3.6	Encryption
3.7	Cryptocurrencies
Module 4	Use on AI in OSINT
4.1	Introduction to AI in OSINT
4.2	Automated Data Collection
4.3	Natural Language Processing (NLP) in OSINT
4.4	Image and Video Analysis
4.5	Social Media Monitoring with AI

