QualityThought®
Transforming Dreams! Redefining Future!

CELEBRATING 15 YEARS

CYBER SECURITY with AI

- Cyber Lab Access for Hands-on Training
- Direct Training from Top CISOs
- Video Access through LMS

qualitythought.in 88974 86382, 88858 78710

QualityThought®
Transforming Dreams! Redefining Future!

CELEBRATING 15 YEARS

Offered Programs

TRAINING (Offline / Online)

1. Any Graduate
2. By Realtime Practitioners
3. Realtime Scenario Projects
4. LMS Access for 6 Months
5. Resume Preparation
6. Doubts Clarification
7. 1 Mock Interview
8. Interview Questions
9. Placement Referral Support
10. Course Completion Certificate

Price 40K

(JOIP) Intensive

1. Full Day Training
2. LMS Access for 8 Months
3. Soft Skills & Aptitude Classes
4. Monthly Placement Screening Tests
5. Assignments / Mock Tests
6. Interview Readiness Sessions
7. Mega Drive Selection Mandatory For Placements
8. Placement Assistance for 12months
9. Realtime Scenario Projects
10. By Realtime Practitioners
11. weekly 1 mock interview

Price 50K

(JOIP) Intensive & Internship

1. Internship @IT Company-Ramana Soft
2. By Realtime Practitioners
3. No Mega Drive Selection
4. 3Hrs.- Internship/3Hrs.-Training
5. Interview Questions & Readiness Sessions
6. Monthly Placement Screening Test
7. Personalised Assistance for Complex Tasks
8. 6 - 8 Hrs Daily
9. LMS Access Upto 1Year
10. 100% Placement Assistance - Until you're Hired
11. Internship Completion Certificate-6 Months from Ramana Soft or Client
12. Realtime Scenario Projects
13. Soft Skills & Aptitude Classes

Price 80K

QualityThought®
Transforming Dreams! Redefining Future!

CELEBRATING 15 YEARS

Introduction to Cybersecurity

- The evolution of Cybersecurity
- Cybersecurity & situational awareness
- The Cybersecurity skills gap
- Difference between Information Security & Cybersecurity
- Cybersecurity objectives
- Cybersecurity Roles

Understanding Devices and Infrastructure

- Infrastructure Terminology
- Designing with Security in Mind
- Network Topology
- OSI Layers & TCP/IP Model
- IPv4 & Ipv6
- Ports & protocols
- Port numbers
- Firewalls
- VPNs and VPN Concentrators
- Intrusion Detection Systems
- Router
- Switch
- Proxy
- Load Balancer
- Access Point
- Network Access Control (NAC)
- Mail Gateway
- Bridge

QualityThought®
Transforming Dreams! Redefining Future!

CELEBRATING 15 YEARS

Ethical Hacking Content

- Introduction to CyberSecurity
- Introduction to Ethical hacking
- Computer & Networking Basics
- Lab setup for Virtual Machines
- Foot Print/Information Gathering
- Scanning
- Vulnerability Analysis
- Sniffing & Man-In-Middle
- System Hacking
- Metasploit Attacks.
- Malware Threats
- Phishing Attacks
- Social Engineering Attacks
- Hacking webserver & Web Applications
- SQL Injection
- Wireless Attacks
- Firewalls
- IDS/IPS
- Honeypots
- Cloud Computing
- IOT Hacking
- Cryptography
- Penetration Testing
- Identity Theft
- Security Compliances
- Steganography
- Risk Management
- Mobile Hacking
- DOS/DDOS Attacks
- Proxies & VPn's
- Computer Forensic
- OSIntframework
- Information Gathering with Maltego Tool
- DNS Spoofing
- MAC Spoofing
- Web Application with Nessus Vulnerability Scanner
- Kon Boot for password Breaking
- Countermeasures for Local Systems

Bugbounty

- Introduction to Bug Bounty
- Basic Terminology on Bug Bounty
- Information Gathering
- Lab setup for Bug Bounty
- Installation of Burp Suite Tool
- Bug Bounty Platforms
- Report Writing for Bugs
- Vulnerability Scanner Tools
- Web Application Vulnerabilities
- Cross Site Scripting
- Host Header Injection
- URL Redirection Attack
- Parameter Tampering
- File Upload Vulnerability
- SQL Injection
- Bypass Authentication
- Sensitive Information Disclosure Vulnerability
- CSRF Attack Vulnerability
- Word Press Sensitive information disclosure
- XML Vulnerability in Word Press Vulnerability
- Missing SPF Records vulnerability
- OTP Bypass Technique Vulnerability
- IDOR Vulnerability
- No rate Limit Vulnerability
- Session Hijacking Vulnerability
- Long Password Attack Vulnerability

QualityThought®
Transforming Dreams! Redefining Future!
CELEBRATING 15 YEARS

Security Operations Center (SOC)

- SOC Overview
- SOC Team Structure
- Tier 1 Responsibilities
- Tier 2 Responsibilities
- Tier 3 Responsibilities
- SOC Workflow and Escalation Path
- Alert Lifecycle Stages
- Incident Response Phases
- Types of Alerts Handled in SOC
- Daily SOC Monitoring Activities
- KPIs and Metrics for SOC
- Log Collection Strategy
- Log Parsing and Normalization
- Key SOC Log Sources
- Firewall Logs
- IDS/IPS Logs
- DNS Logs
- Endpoint Logs (Sysmon/EDR)
- Active Directory Logs
- Cloud Logs (CloudTrail, Azure Activity)
- Use Case Design in SIEM
- Rule Writing – SPL (Splunk), AQL (Qradar)
- MITRE ATT\&CK Mapping to Alerts
- Threat Hunting Basics
- Alert Enrichment Techniques
- Alert Suppression & False Positive Handling
- Ticketing Systems (ServiceNow, JIRA) Integration
- Shift Handover Protocols

SIEM and EDR Focus

- Introduction to SIEM
- Overview of Splunk Architecture
- Splunk Ingestion and Indexing
- Writing SPL Queries
- Splunk Dashboards and Alerts
- QRadar Architecture and Flow Collection
- QRadar Rule Creation using CRE
- AQL Querying in Qradar
- Introduction to EDR
- SentinelOne Architecture
- SentinelOne Agent Capabilities
- Remote Response Actions (Kill, Quarantine, Rollback)

Malware Analysis

- Introduction to Malware Analysis
- Malware Categories
  a. Virus
  b. Worm
  c. Trojan
  d. Ransomware
  e. Spyware
  f. Rootkit
  g. Fileless Malware
- Malware Behavior and Infection Chain
- Static Analysis Fundamentals
- File Header and Metadata Check
- String Extraction (strings, FLOSS)
- PE Header Inspection
- Hashing (MD5, SHA256) and Use Cases
- Dynamic Analysis Overview
- Sandbox Analysis (Any.run, Cuckoo)
- Tools for Monitoring Behavior
  a. ProcMon
  b. RegShot
  c. Wireshark
  d. TCPView
- Reverse Engineering Introduction
- Disassemblers (Ghidra, IDA Free)
- Debuggers (x64dbg, OllyDbg)
- Packers and Obfuscation
- IOC Extraction Process
- Types of IOCs
- File Hashes
- Registry Keys
- IPs and Domains
- Filenames

QualityThought®
Transforming Dreams! Redefining Future!
CELEBRATING 15 YEARS

Email Security

- Overview of Email-Based Threats
- Anatomy of a Phishing Email
- Spear Phishing vs Generic Phishing
- Business Email Compromise (BEC)
- Malware Delivery via Email
- Spoofing and Lookalike Domains
- Email Header Components
- SPF Record Validation
- DKIM Signature Verification
- DMARC Policy Enforcement
- Email Flow and Received Headers
- Tools for Email Security
  a. Microsoft Defender for O365
  b. Cisco ESA
  c. Proofpoint
  d. Mimecast
- Email Sandbox Solutions
- SOC Response to Phishing
- IOC Search in Mailboxes
- Quarantining and Purging Emails
- User Awareness and Reporting Channels

Threat Intelligence

- Threat Intelligence Fundamentals
- Intelligence Lifecycle Stages
- Strategic vs Tactical vs
  Operational vs Technical TI
- IOC Formats (IP, Hash, URL, Domain)
- TI Sources and Feeds
  a. VirusTotal
  b. AlienVault OTX
  c. Recorded Future
  d. Shodan
  e. URLScan.io
- MITRE ATT&CK Overview
- IOC Enrichment in SIEM

Digital Forensics (Basic)

- Introduction to Digital Forensics
- Forensics in Incident Response
- Evidence Identification
- Disk Imaging with FTK Imager
- File Recovery and Analysis
- Windows Registry Artifact Locations
- Browser History and Cache Inspection
- Event Log Collection
- Timeline Analysis Basics
- Memory Analysis using Volatility
- Chain of Custody Requirements
- Legal Considerations for Evidence
- Role of Forensics in
  Root Cause Analysis

Cloud Security

- Cloud Security Fundamentals
- Shared Responsibility Model
- Cloud Infrastructure Threats
- Misconfigured Storage Buckets (e.g., S3)
- Cloud Resource Exploitation
- Unmonitored API Calls and Access Keys
- Credential Theft from Repositories
- Cloud Identity Attacks
- Lateral Movement in Cloud Environments
- Lack of Visibility and Logging

Mobile Security – Threats Only

- Cloud Security Fundamentals
- Shared Responsibility Model
- Cloud Infrastructure Threats
- Misconfigured Storage Buckets (e.g., S3)
- Cloud Resource Exploitation
- Unmonitored API Calls and Access Keys
- Credential Theft from Repositories
- Cloud Identity Attacks
- Lateral Movement in Cloud Environments
- Lack of Visibility and Logging

QualityThought®
Transforming Dreams! Redefining Future!

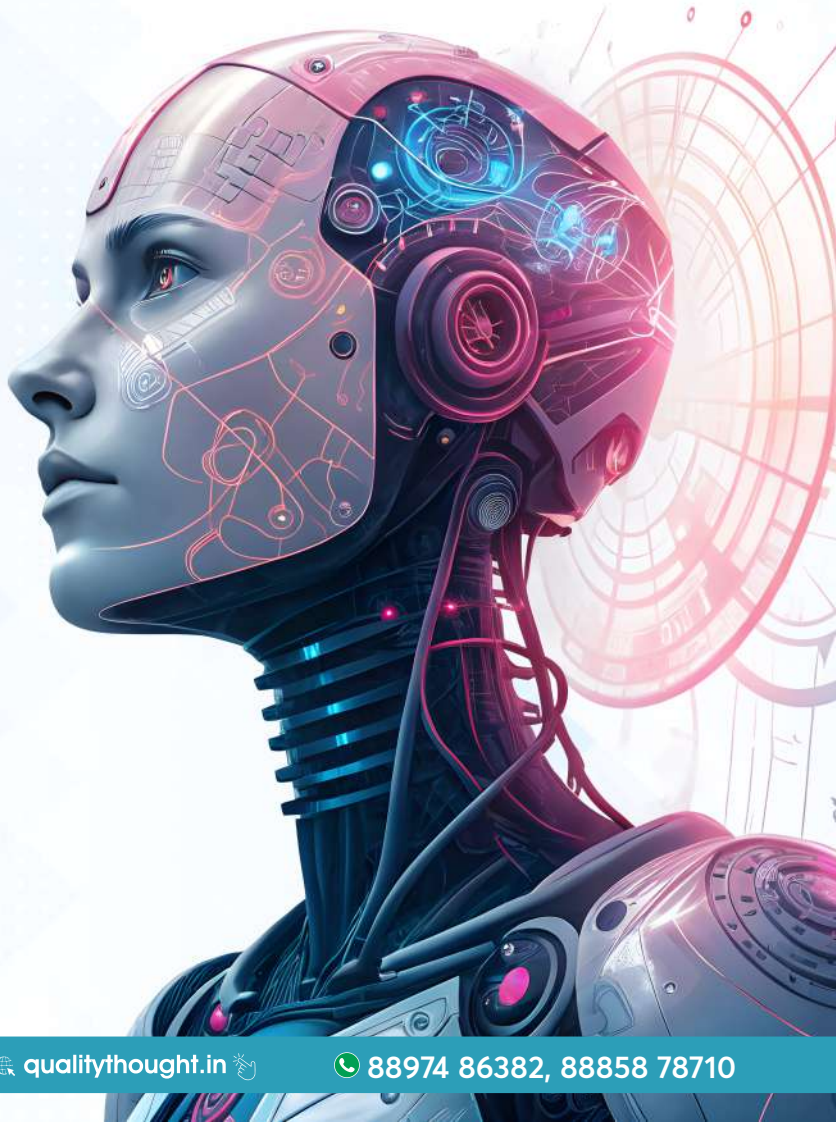
CELEBRATING 15 YEARS

AI in Cybersecurity

- Introduction to AI in Cybersecurity
- What is Artificial Intelligence (AI) & Machine Learning (ML)
- Difference between AI, ML, and Deep Learning
- Why AI matters in modern cybersecurity
- Generating policy templates using LLMs
- NLP-based review for policy clarity & compliance alignment
- OneTrust AI – Policy automation & compliance tracking
- Open-source AI risk tools: RiskSense, OpenGRC

Governance & Information Security Frameworks

- Overview of Governance in Cybersecurity
- Role of governance in InfoSec
- Key governance principles and policies
- Information Security Management Systems (ISMS)
- Purpose and structure of ISMS
- PDCA (Plan–Do–Check–Act) cycle
- Major Cybersecurity Frameworks
- ISO 27001/27002 Overview
- NIST Cybersecurity Framework (CSF)
- CIS Controls
- COBIT for Information Security Governance
- Security Policies & Standards
- Policy hierarchy (Policies → Standards → Procedures → Guidelines)
- Writing effective security policies
- Roles & Responsibilities in GRC
- Board, CISO, risk managers, compliance officers
- RACI matrix in security governance



QualityThought®
Transforming Dreams! Redefining Future!

CELEBRATING 15 YEARS

Internship Topics

Penetration Testing Internships

- Hands-on testing of networks, web applications, APIs
- Working with Metasploit, Burp Suite, Nmap, and Kali Linux
- Companies offering internships: Security firms, ethical hacking teams, and bug bounty programs

Security Operations Center (SOC) Internships

- Real-time security monitoring using SIEM tools (Splunk, QRadar, Devo, Elastic)
- Log analysis, threat detection, and incident escalation
- Exposure to MITRE ATT&CK Framework and cyber defense strategies

Malware & Phishing Email Analysis Internships

- Analyzing email headers & identifying phishing attempts
- Reverse engineering malware and working in sandbox environments
- Exposure to tools like Virus Total, Any. Run, Hybrid Analysis

Threat Intelligence & Threat Hunting Internships

- Investigating Indicators of Compromise (IoCs)
- Using Threat Intelligence Platforms (TIPs) such as MISP and OpenCTI
- Monitoring cybercriminal activities on the dark web

Recommended Certifications for Entr -Level Roles

- CompTIA Security+ (Foundational security knowledge)
- Certified SOC Analyst (CSA) (For SOC-related roles)
- Certified Ethical Hacker (CEH) (For penetration testing roles)
- GIAC Security Essentials (GSEC) (General cyber security skills)
- Cyber Threat Intelligence Analyst (CTIA) (For threat intelligence roles)

QualityThought®
Transforming Dreams! Redefining Future!

CELEBRATING 15 YEARS

Career Opportunities after this Course

- SOC Analyst (L1/L2)
- Threat Intelligence Analyst
- Incident Responder
- Cyber security Analyst
- SIEM Engineer
- SOC Analyst (Tier 1, Tier 2, Tier 3)
- Threat Hunter
- Security Operations Engineer
- Incident Responder
- Cyber Threat Intelligence Analyst
- Network Security Engineer
- Firewall & Perimeter Security Administrator
- SOC Analyst (Network Security Focus)
- Threat Detection Engineer
- Cloud Network Security Engineer
- Penetration Tester (Web, Network, Wireless, Cloud)
- Red Team Operator / Adversary Emulation Specialist
- Bug Bounty Hunter & Security Researcher
- Offensive Security Consultant
- Exploit Developer & Malware Analyst
- Career Opportunities after this Course
- Cloud Security Engineer
- Cloud Security Architect
- DevSecOps Engineer
- Container Security Specialist
- Kubernetes Security Engineer
- Cloud Compliance & Risk Analyst

Our Students Are Placed In

TCS · vsoft · Cognizant · Microsoft · ENVISION · Sunseaz Technologies Pvt Ltd · wipro · AVSOFT · amazon

PrimeSoft · statista · Practera · PIERSOFT · KELLTON TECH · Capgemini · KENSIUM · SOLIX · sumtotal · MIRABEL TECHNOLOGIES

PERVACIO · Apollo · LARSEN & TOUBRO · STIC Soft · Aadvi · NOOR · servicenow · ValueLabs · erwin

CyberTech · BLACK KNIGHT · Micron · highradius · HEXAWARE · NextSphere · GLOBAL · splashBI · archents · techforce.ai

Nendrasys · magnasoft · Innominds · High Noon Consulting · JRD SYSTEMS · Medtronic · MAXO · PTW · Uber · techolution

SOLUGENIX · Collabera · iPrism · meslova · {actlogica} · S&P Global · FISSION · SOLIGENIX · TechnoFacts · SAHASYA

QualityThought®

Transforming Dreams! Redefining Future!

88974 86382, 88858 78710

Quality Thought Infosystems India (P) Ltd.

#302, Nilgiri Block, Ameerpet, Hyderabad-500016 | www.qualitythought.in | info@qualitythought.in