

# NIST & NICE IT & Cybersecurity Workforce Development Training Solutions



# Agenda and Objectives

- NIST & NICE Cybersecurity Workforce Training Programs
- NIST & NICE Best Practice Frameworks & Programs
- NIST & NICE Cybersecurity Workforce Training Catalog
- NISTCSF.COM – NIST & NICE Workforce Training Consortium
- NIST & NICE Cybersecurity Enterprise Training Program

# NIST & NICE Cybersecurity Workforce Training Solutions

- Today, due to the ever changing threat landscape created by Mobile Computing, Cloud, the Internet of Things (IoT) and a very sophisticated network of threat actors (i.e., the bad guys) enterprises need to operationalize the IT & Cybersecurity best practice frameworks and methodologies necessary to identify, protect, detect, respond and recover from cyber-attacks.
- itSM Solutions NISTCSF.COM training programs teach an enterprise workforce how to operationalize, maintain and improve IT & Cybersecurity best practice frameworks and methodologies across an enterprise and its supply chain.

# NIST & NICE Cybersecurity Frameworks & Methodologies

- NIST Cybersecurity Framework
- NICE Cybersecurity Workforce Framework
- Axelos ITIL® Cyber Service Management Framework
- Axelos RESILIA™ Cyber Resilience Framework
- ISACA Cobit Cyber Governance Framework
- PMI PMBOK & Axelos PRINCE2 Project Mgmt. Methodology
- IDT Digital Enterprise Readiness Framework
- Cloud Security Alliance Cybersecurity Framework
- SI Cyber Software & Application Security Testing Methodology

# NIST & NICE Cybersecurity Workforce Training Catalog

- itSM Solutions NISTCSF.COM online self-paced video, blended learning and classroom training programs teach an enterprise workforce how to operationalize, maintain and improve the IT & Cybersecurity best practice frameworks and methodologies across an enterprise and its supply chain.

NIST/NICE Service & Project Management Training				NIST/NICE IT & Programming Training			NIST/NICE Business Skills Training	
IT Service Management	IT Project Management	Cybersecurity Management	IT Cloud Management	Software Programming	IT Networking	Information Security	Microsoft Office Skills	General Business Skills
27 Courses	17 Courses	15 Courses	11 Courses	24 Courses	45 Courses	30 Courses	68 Courses	31 Courses
ITIL V3 ITIL V4 RESILIA COBIT ISO20000 DEVOPS DIGITAL READINESS AGILEshift SAFe	PMI PRINCE2 AGILE SCRUM	NIST CSF NIST 800-171 COBIT ISO27001 FAIR VaR DEVSECOPS	AZURE AWS COMPTIA SHAREPOINT SQL SERVER CLOUD SECURITY	C+ C++ JAVA PYTHON RUBY ANGULAR 5 ASP.NET HADOOP PERL SQL 2014 RESTFUL SELENIUM BOOT STRAP SECURE CODING	Microsoft Cisco COMPTIA VMware	ISC2 ISACA COMPTIA MILE2 IoT	O365 END USER O365 ADMIN O365 SHAREPOINT O365 WEB APPS WORD EXCEL POWERPOINT OUTLOOK ACCESS PROJECT LYNX DATA ANALYSIS	HR LEGAL ACCOUNTING CYBERSECURITY SOCIAL MEDIA COMMUNICATIONS COMPUTERS INTERNET SHAREPOINT PROJECT MGMT.

NISTCSF.COM

## NIST & NICE Workforce Development Consortium

- **itSM Solutions NISTCSF.COM is a global consortium of academic, government and industry thought leaders** working together to create IT & Cybersecurity training programs that help organizations operationalize, maintain and improve the IT & Cybersecurity frameworks and methodologies created by the National Institute of Standards & Technologies (NIST) and other internationally recognized institutes and standards organizations.
- The consortium's goal is to provide academia and enterprises with an affordable and scalable way to train, skill and certify today's IT and cybersecurity workforce.



# NIST & NICE Cybersecurity Enterprise Training & Mentoring Program



## A Five Phase Approach to Building an Enterprise Digital Workforce

- Securing Executive Commitment
- Selecting the Leadership Team
- Conditioning the Organization for Change
- Empowering the Organization to Change
- Institutionalizing the Program with HR

# Phase #1 – Executive Training Services

Securing Executive Commitment



**Phase #1  
Securing Executive  
Commitment  
(Executive Trainings)**

Organization Role	Objective	Training Programs
CEO, CFO, CIO, CISO CRO, CCO, PMO Director, SMO Director, Governance Director	To help the executive team understand the benefits associated with operationalizing a NIST/NICE program	Executive Overview Executive Simulations Digital Readiness Training





# Phase #2 – Leadership Training Services

Selecting the Leadership Team



**Phase #2  
Selecting the  
Leadership Team  
(Leadership Trainings)**

Organization Role	Objective	Training Programs
Practice Owners, Service Owners, Change Mgrs. Operation Mgrs. CSI Mgrs. Business Analysts	To help the leadership team acquire the knowledge and skills to develop an actionable NIST/NICE plan	Assessment Training NCSF Assessment Training Digital Readiness Training Planning to Change Workshop Internet of Things Training ITIL® Training RESILIA Training Prince 2 Training NIST Cybersecurity Training Simulations

# Phase #3 – Enterprise Readiness Training



**Phase #3  
Conditioning the  
Organization for  
Change  
(Basic Trainings)**

Organization Role	Objective	Training Program
All IT staff, senior leadership, stakeholders and supply chain partners	To help condition the enterprise for NIST/NICE change through a series of online awareness and simulation trainings	Awareness Simulations Digital Readiness Training

# Phase #4 – Practitioner Training



**Empowering the  
Organization to Change  
(Specialty Trainings)**

Organization Role	Objective	Training Programs
1st Line Mgrs. Practice & Service Owners Architects & Strategists Operation & System, Analysts Business & Quality Analysts Program & Project Managers Operation & Change Mgrs. Service Level & CSI Mgrs. Tool Administrators	To provide the NIST/NICE practitioners the knowledge and skills to plan, design, implement, operate and improve a NIST/NICE program.	NIST Cybersecurity Framework Training NIST Cybersecurity Employee Training NICE Cybersecurity Workforce Trainings Internet of Things Training ITIL Trainings RESILIA Trainings Prince 2 Trainings ISO 27001 Training Cobit Training Simulation Trainings



# Phase #5 – HR Training Program



**Institutionalize the  
Program with HR  
(HR Programs)**

Organization Role	Objective	Activities
HR Manager	To establish HR policies and procedures for training new employees and a career pathway for existing employees practicing NIST/NICE	Setup both eLearning and role-based Blended Learning NIST/NICE best practice training solutions for new and existing employees

# Questions & Answers

