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NIST NICE Training Curriculum & Workforce Assessment Solutions

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Agenda and Objectives

- NICE Training Curriculum & Workforce Assessment Programs

- IT & Cybersecurity Frameworks & Methodologies

- NICE Workforce Assessment & Mentoring Program

- NIST NICE IT & Cybersecurity Curriculum Catalog

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NICE Training Curriculum & Workforce Assessment Programs

- 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 build a workforce capable of engineering, maintaining and improving the best practice frameworks and methodologies required to identify, protect, detect, respond and recover from cyber-attacks.

- **itSM Solutions NISTCSF.COM** is a global consortium of academic, government and industry thought leaders working together to create IT and Cybersecurity curriculum that teaches the knowledge, skills and abilities to operationalize the frameworks and methodologies created by the **National Institute for Standards & Technologies (NIST), National Initiative for Cybersecurity Education (NICE), Axelos, CompTIA, ISACA, ISC2, PMI and other internationally recognized institutes and organizations.**

- The consortium's focus is to **create licensable assessment, curriculum and train-trainer-services** that will provide an affordable and scalable way for other academic and commercial institutions to offer these programs as part of their IT & Cybersecurity workforce development program.

- **NISTCSF.COM Best Practice Frameworks and Methodologies curriculum areas include:**

  - 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

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NICE Training Curriculum Catalog

- itSM Solutions NISTCSF.COM role-based curriculum solutions enables enterprises to build a workforce capable of operationalizing, maintaining and improving IT & Cybersecurity best practice frameworks, methodologies and technologies across an enterprise and its supply chain.

IT Service, Project, Cybersecurity & Cloud Mgmt. Training				Networking, Programming & INFOSEC Training			Business & Cyber 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	PMI	NIST CSF	AZURE	C+	Microsoft	ISC2	O365 END USER	HR
ITIL V4	PRINCE2	NIST 800-171	AWS	C++	Cisco	ISACA	O365 ADMIN	LEGAL
RESILIA	AGILE	COBIT	COMPTIA	JAVA	COMPTIA	COMPTIA	O365 SHAREPOINT	ACCOUNTING
COBIT	SCRUM	ISO27001	SHAREPOINT	PYTHON	VMware	MILE2	O365 WEB APPS	CYBERSECURITY
ISO20000		FAIR VaR	SQL SERVER	RUBY		CyberSec First	WORD	IOT Awareness
DEVOPS		DEVSECOPS	CLOUD SECURITY	ANGULAR 5		Responder	EXCEL	SOCIAL MEDIA
DIGITAL READINESS				ASP.NET		IoT	POWERPOINT	COMMUNICATIONS
AGILEshift				HADOOP			OUTLOOK	COMPUTERS
SAFe				PERL			ACCESS	INTERNET
				SQL 2014			PROJECT	SHAREPOINT
				RESTFUL			LYNX	PROJECT MGMT.
				SELENIUM			DATA ANALYSIS	
				BOOT STRAP				
				SECURE CODING				

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Curriculum & Mentoring Benefits

- **100% Online** Using Video and Digital Book Content (print books available upon request)

- **100% Priced Right** (no student left behind)

- **Role Based Training** – With a focus on Engineering, Operations, Specialty Role & Risk Management professionals

- **Learning Management System** (LMS) Student Mentoring & Monitoring Services to ensure successful training & business outcomes

- **Instructor Led Delivery** or Review Sessions can be added to any program if required

- **Enterprise Training Program** Planning and Launch Services

- **Partner Sales & Marketing** Planning and Launch Services

- **New Curriculum** Planning & Development Services

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IT & Cybersecurity Career Pathways

- **Cybersecurity Management** (NIST Cybersecurity Framework, NIST 800-171 etc.)
- **Cyber Resilience Management** (RESILIA)
- **IT Service Management** (ITIL V3, ITIL V4)
- **IT Governance Management** (COBIT5)
- **IT Project Management** (PMP, PRINCE2, SCRUM, AGILE)
- **Software & Application Launch Management (DEVOPS & DEVSECOPS**
- **Cloud Management** (AMAZON, AZURE etc.)
- **IoT** (Awareness & Practitioner)
- **Enterprise Digital Transformation Management** (IDT Foundation & Practitioner)
- **Enterprise AGILITY Management** (AGILEshift)
- **Enterprise RISK Management** (FAIR Institute)
- **Cybersecurity Workforce Development** (NICE Cybersecurity Workforce Framework)
- **Cloud Security** (Cloud Security Alliance)
- **Information Security** (CISSP, CISA, CISM, Security+, Ethical Hacker etc.)
- **Secure Coding** (Software & Application Development)
- **Software Development** (C+, C++, JAVA, PYTHON, RUBY, ANGULAR 5, ASP.NET etc.)
- **Network Engineering** (Microsoft, Cisco, CompTIA & VMware)
- **Microsoft Office** (Office 365, SKYPE, Lynx, Word, PowerPoint, Excel etc.)
- **Business Skills** (Communication Skills, Social Media, Accounting, Legal, HR etc.)

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NICE Workforce Assessment & Mentoring Program

- NISTCSF.COM's National Initiative for Cybersecurity Education (NICE) training assessment & mentoring program is a five phase approach to organizational change based on the key principles outlined in Kotter's eight step change process for organizational transformation.

- The NICE assessment & mentoring program provides enterprises with a structured approach on how to profile the knowledge and skills of their IT & Cybersecurity workforce and then map that profile to a series of role based training programs designed to create a workforce capable of engineering, maintaining and improving the IT & NIST Cybersecurity frameworks and methodologies an organization needs to identify, protect, detect, respond and recover from cyber-attacks.

NISTCSF.COM
NICE Assessment & Mentoring Program

Securing Executive Commitment

Selecting the Leadership Team

Conditioning the Organization for Change

Empowering the Organization to Change

Institutionalizing the Program with HR

A Five Phase Approach to Building an Enterprise IT & Cybersecurity Workforce

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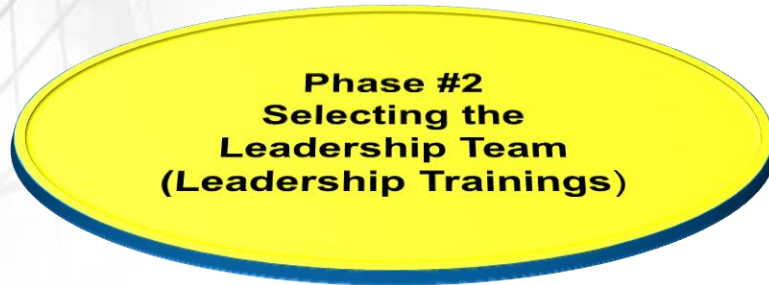- Institutionalizing the Program with HR

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Phase #1 – Executive Training Services

Securing Executive Commitment

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

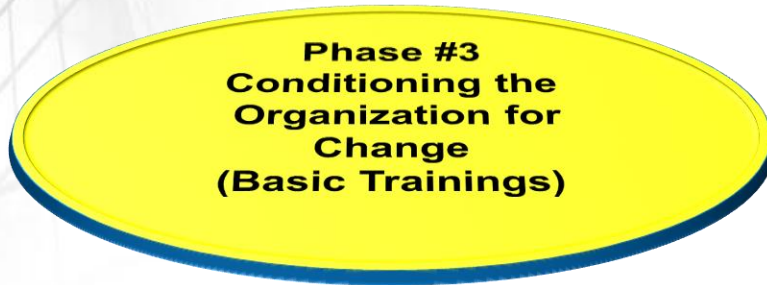| Organization Role	Objective	Training Programs
CEO, CFO, CIO, CISO CRO, CCO, PMO Director, SMO Director, Governance Director	To help the executive team understand the benefits associated with operationalizing a IT & Cybersecurity program	Executive Overview Executive Simulations Digital Readiness Training

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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 IT & Cybersecurity 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 IT & Cybersecurity change through a series of online awareness and simulation trainings	Awareness Simulations Digital Readiness Training

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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 IT & Cybersecurity practitioners the knowledge and skills to plan, design, implement, operate and improve a IT & Cybersecurity 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

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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 IT & Cybersecurity	Setup both eLearning and role-based Blended Learning IT & Cybersecurity best practice training solutions for new and existing employees

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Questions & Answers