

# NISTCSF.COM

IT & Cybersecurity Training Curriculum  
& Workforce Planning Solutions



# Agenda and Objectives

- NISTCSF.COM Cybersecurity Curriculum Consortium
- IT & Cybersecurity Frameworks & Methodologies
- IT & Cybersecurity Curriculum Catalog
- NISTCSF,COM Curriculum Delivery Formats & Benefits
- IT & Cybersecurity Workforce Mentoring Program



# NISTCSF.COM

## IT & Cybersecurity Curriculum Consortium

- **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)** 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

## IT & NIST Cybersecurity Training Curriculum Catalog

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



## Curriculum Delivery Formats

- **Video Instructor** Led Self-Paced Video Training with Online Mentoring
- **Video Instructor** Led Self-Paced Blended Team Training with Self-Paced Videos and Digital Courseware plus
- **Instructor Led** Online or Onsite Review Sessions
- **Instructor Led** Onsite Public Open Enrollment Training Classes with Digital Book or Print Courseware
- **Instructor Led** Onsite Team Training Classes with Digital Book or Print Courseware
- **Instructor Led** Onsite Team Training with Self-Paced Videos and Digital Courseware
- **Instructor Led** Virtual Public Open Enrollment Training Classes with Digital Book or Print Courseware
- **Instructor Led** Virtual Team Training Classes with Digital Book or Print Courseware

## Curriculum & Workforce Mentoring Benefits

- NIST National Initiative for Cybersecurity Education (NICE) focused
- Accredited, White Label Print, Digital Book and Video Certification Curriculum
- Cyber Range Skills Training Programs and Advisory Services
- 100% Priced Right – no student left behind
- Role Based Training Curriculum with a focus on Engineering, Operations, Specialty Role & Risk Management professionals
- Client Branded Learning Management System (LMS) for Student Enablement, Mentoring & Reporting Services
- Instructor Led Delivery or Mentoring Sessions can be added to any program
- Instructor Train-the Trainer Sessions delivered online – no travel required
- Workforce Planning and Launch Services
- New Curriculum Planning and Development Services

## 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, Lync, Word, PowerPoint, Excel etc.)
- **Business Skills** (Communication Skills, Social Media, Accounting, Legal, HR etc.)



# NISTCSF.COM

## IT & Cybersecurity Workforce Mentoring Program

- NISTCSF.COM's NICE workforce 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 workforce planning & 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.



# Workforce Mentoring Program



## 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

# Phase #1 – Executive Training Services

Securing Executive Commitment

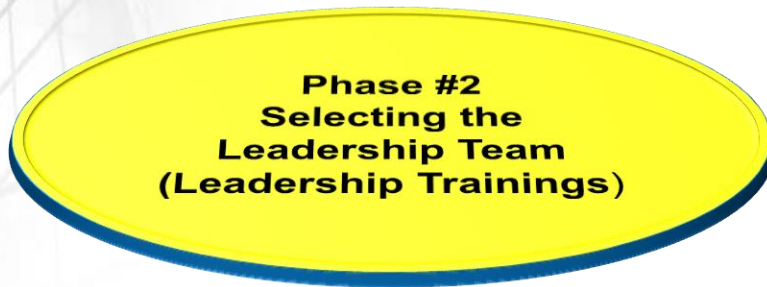


| Organization Role   | Objective  | Training Programs   |
|---|--|---|
| CEO, CFO, CIO, CISO CRO, CCO, PMO Director, SMO Director, Governance Director | To help the executive team understand the benefits associated with operationalizing a IT & Cybersecurity program | Executive Overview<br>Executive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



# Phase #2 – Leadership Training Services

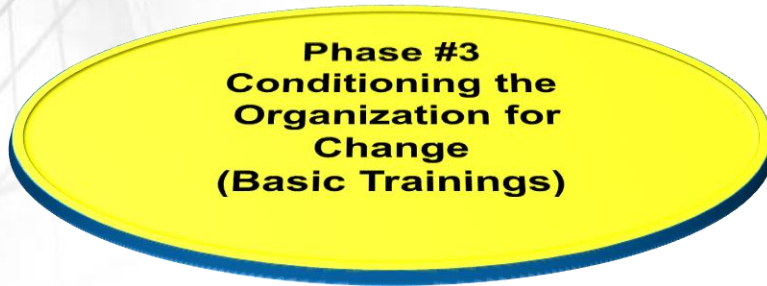
Selecting the Leadership Team



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



# Phase #3 – Enterprise Readiness Training



| 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<br>Simulations<br>Digital Readiness Training |



# Phase #4 – Practitioner Training



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

# Phase #5 – HR Training Program



| 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 |



# Questions & Answers

