



Steinbeis
Foundation India



Steinbeis
Global
Institute
Tübingen



Certificate of Advanced Studies in Cybersecurity (CASCS)

With 100% Placement Guarantee

**@ Indo- German Cyber Security
Engineering & Research Center (IGCERC)**



*As per NASSCOM, there was a gap for 10 lakhs
Security Specialists in India*

Industry Partners:



Course Highlights

- ✔ 6 Months Program in-parallel to the semester studies
 - ✔ Choose your Specialization: **i) Certificate of Advanced Studies in CyberSecurity - Ethical Hacking**
ii) Certificate of Advanced Studies in CyberSecurity - Security Operations
 - ✔ Program starts 4th January, 2023
 - ✔ Suitable for Students / Graduates / Working Professionals
 - ✔ Admission Test required for entry to the course
 - ✔ Joint Certification by Steinbeis Global Institute Tubingen - Steinbeis University Berlin, Steinbeis India, SRM University and powered by Industrial Partners - Soffit Infrastructure Services, NxtGen Datacenter and Cloud Technologies
 - ❖ *Convert your course fees into easy EMI's with easy monthly payments*
- ✔ **Job opportunities for the successful candidate in top companies like- Deloitte, E&Y, Airtel, Accenture, Banks, Soffit, Crowe, NxtGen Datacenter and Cloud Technologies etc.**

IGCERC & Program Objectives

- ❖ To prepare ready to be deployed security professionals for the Industry who could work in Security Operations Centre, Security Testing & Cloud Services.
- ❖ To provide a platform for Small and Medium Size Industry for getting their manpower trained and to manage their cloud services & security systems at the lowest possible cost.
- ❖ To provide an opportunity to the Industry for technology development @ SRM University, Ramapuram campus with the support of faculty and Industry experts.
- ❖ To provide technological solutions as per the new requirements in mobile communications 5G, Small Grid Network Security, Automotive Security & the latest Innovations in Cloud Technology.

Who Can Attend

- ❖ Students and Professional who would like to become a Certified Cyber Security Professionals while learning how to setup, manage & run workloads on the cloud to apply for this program.
- ❖ Minimum Qualification Bachelors in Science, Engineering, Computer Applications or equivalent.
- ❖ Interested students shall have to pass an online admission test.



Job Opportunities

- ❖ As per ISC2 Cyber Security Workforce Study 2021, the Cyber Security Workforce gap was 27.2 Lakh professionals. Global Cyber Security Workforce needs to grow 65% year on year.
- ❖ According to a study conducted by the NASSCOM, there was a gap for 1 million cyber security specialists in India to address cyber threats. As a result, there is no better moment than now for any young individual desiring to make a name for themselves in this hard area.
- ❖ Interview opportunities shall be provided to successful candidates.



Course Content

(Theory & Practical)

- ✓ Introduction about Cybersecurity
- ✓ Introduction to Cloud Computing & Datacenters
- ✓ Cloud Computing Components & Security
- ✓ Types of Cloud Deployment, Virtualization & Architecture
- ✓ Kubernetes and Containers
- ✓ Build, Deploy, Manage & Scale Cloud Infrastructure
 - Building, scaling, modifying and deletion of Instance
 - Kubernetes Cluster Creation and Worker Node scaling
 - VM Network Configuration
- ✓ Basics on Networking - Lab for Network Configuration
 - LAN setup
 - Firewall Configuration
- ✓ Traffic Interception and Capturing
- ✓ Basics on Security - Lab on Security Configuration - Firewall, Anti-malware configuration
- ✓ Introduction to IT processes and Policies - Industry Exposure
- ✓ Security Testing
 - Vulnerability Assessment Lab
 - Network Pen Test Lab
 - Web Application Pen Test Lab
 - Reporting
- ✓ Threat Modelling
- ✓ Security Operations
 - SIEM Implementation
 - SIEM Monitoring
- ✓ Incident Response



Admission Fees

Rs. 97,940/- (Inclusive of GST)

For Loan, EMI and other details, contact: sreedevi@steinbeisindia.com

For Registration Apply @ www.steinbeisindia.com/cybersecurity.php

SRM Institute of Science and Technology

www.srmrmp.edu.in

SRM Institute of Science and Technology (formerly known as SRM University) is one of the top ranking universities in India. The Ramapuram Campus of SRMIST has over 20,000 students and 1,500 faculty, offering a wide range of undergraduate, postgraduate and doctoral programs in Engineering, Management, Medicine and Health Sciences, Science and Humanities. Foreign faculty, flexible and dynamic curriculum, exciting research and global connections are the features that set SRMIST apart. Students have a wide choice of cutting edge programs including Biotechnology, Bioinformatics, Game Technology, Cyber Security, IoT and Cloud Computing to choose from. Over 150 students sponsored to 35 foreign universities like MIT, Carnegie Mellon, UC Davis, Warwick and Western Australia. SRMIST has been accredited by NAAC with the Highest 'A++' Grade in the year 2018, valid for next 5 years. Top salary of INR 43.5 Lakhs offered by Amazon. Nearly 100% placement of registered students: TCS, Wipro, Cognizant, Infosys, Siemens, and others.

Steinbeis

www.steinbeis.de | www.steinbeisindia.com | www.steinbeis.in

- ❖ Steinbeis leverages the known-how derived from research, development, consulting and training projects and to transfer this knowledge into application - with a clear focus on entrepreneurial practice. Over 2,000 business enterprises have already been founded on the back of the Steinbeis platform. Steinbeis network spans over 6,000 experts in approximately 1,100 business enterprises - working on projects with more than 10,000 clients every year. Our network provides professional support to enterprises and employees in acquiring competence, thus securing success in the face of competition.

- ❖ The Steinbeis University is organized as a business, with the institutes acting more like “companies within a company”. Degrees based on this model require students to “partner” with a company at the start of their studies and create a project that applies learned knowledge to a realistic business challenge.
- ❖ Steinbeis India has been involved in several training programs for last 12 years and have been successful in providing over 300% placements.

Soffit Infrastructure Services Pvt. Ltd.

www.soffit.in

Soffit, founded in 2007, is a vendor, technology neutral IT services company, focused on following areas:

❖ 24x7 IT Managed Services:

- IT Infrastructure Management (IMS) for On-premise, Cloud (AWS, Azure, GCP) or Hybrid Infrastructure
- Network Operation Centre (NOC) for proactively monitoring performance & availability
- SoCaas (Security Operation Centre as a Service) to detect potential threats to IT Infrastructure

❖ System Integration:

- Networking, Switching, Routing & Security devices
- Server, Virtualization & Storage
- Cloud Migration

❖ Cyber Security:

- Security Testing (Vulnerability Scan, Penetration Testing, Source Code Review, Configuration Review & Secure Architecture Review)
- Consulting (ISMS, ISO27001, GDPR, ISO27701, SOC2, PCI-DSS, HIPAA, NIST, CSF, NERC-CIP etc.)

❖ Staff Augmentation/Resourcing:

- Networking, Server, Security - L1, L2, L3
- SOC & NOC resources

NxtGen Datacenter and Cloud Technologies

www.nxtgen.com

- ❖ NxtGen, founded in 2012, is a leader in Cloud Computing and Datacenter Innovation.
- ❖ NxtGen enables our customers with an Infinite Datacenter, taking out the complexity of running mission-critical infrastructure and letting our customers focus on applications. We pioneered Hybrid Cloud and hyper- convergence in India.
- ❖ With over 3000 Customers and 2000 Partners NxtGen promises to keep delivering best-in-class Price - Performance.
- ❖ SpeedCloud by NxtGen is a Global Application Services Platform, enabling organisations to build, deploy, manage and scale applications instantly. Services are provided through 4 Datacenters and 236 edge locations across India.
- ❖ IT Infrastructure Service - Enterprise Cloud Services, SpeedCloud, Baremetal Servers, GPU Servers, LXD Containers, Colocation
- ❖ IT Continuity Services - Backup as a Service, Disaster Recovery as a Service, Data Protection as a Service, Managed Security as a Service, Managed Services
- ❖ Platform Services - High Performance Computing as a Service, Kubernetes, IoT, AI-Based Video Analytics

Program Coordinators:

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**Steinbeis Academy for Advanced
Technology Training &
Entrepreneurship**

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Network HeadQuarters:

Steinbeis GmbH & Co. KG für Technologietransfer

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