

## COURSE PROSPECTUS

<b>Name of the Division</b>	: <b>Advanced Computing Services Division</b>
<b>Name of the Course</b>	: <b>Cyber Security Associate</b> <b>NSQF aligned course of Level 4.5</b>
<b>Course Code</b>	: <b>QG-4.5-IT-00352-2023-V1-NIELIT</b>
<b>Mode of Conduction</b>	: <b>Online</b>
<b>Starting Date</b>	: <b>10th June 2024</b>
<b>Duration</b>	: <b>540 hours / 3.5 Months</b>
<b>Course Coordinator</b>	: <b>Arun Mohan, 7907121182 &amp; Sini S Nair, 9447335996</b>
<b>Number of Seats</b>	: <b>30 Seats</b>

**Objective of the Course:** The "Cyber Security Associate", course intends to build a sound Cyber Security professional for the industry. The course aims to provide participants with the concept of vulnerability and penetration testing. This course will help them to gauge their understanding of essential techniques in protecting information systems, analyzing and monitoring potential threats and attacks. The Course is aimed at molding candidates with Skilled Cyber Security and Ethical Hacking knowledge to maintain the Security of Systems and Networks in today's scenario

### Course Structure:

Sl. No	Module Title	Duration (Hours)		
		Theory	Lab	Total
1	Fundamentals of Network and Operating System	30	60	90
2	Fundamentals of Cyber Security	60	90	60
3	Cryptography and Ethical Hacking	20	40	90
4	Network and Infrastructure Security	10	20	30
5	Vulnerability Assessment and Penetration Testing	15	15	90
6	Cyber Forensics	15	15	60
	Total	150	240	390
7	Employability Skills (B)	60		
8	OJT/Project	90		
	<b>Total Duration/Credit</b>	<b>540</b>	<b>18</b>	

### Career Progression Path on completion of the course

#### Academic:

#### Vertical:

Level 5: Level 5: Courses in Cyber Security: Cyber Security and Social Media Analyst  
Level 6: Courses in Cyber Security: Information Security Specialist

#### Professional:

Cyber Security Assistant-> Junior Cyber Security Associate-> Cyber Security Associate

## Other Contents

**I. Course Fees:** Course fee is Rs 28000/-

**II. Registration Fee:** An amount of Rs. 1000/- (including all taxes as applicable, nonrefundable) should be paid at the time of registering for the course.

If the student enrolls in the course, this fee will be included as part of the course fee. If the student does not enroll in the course, the fee paid will be forfeited.

However, the registration fee shall be refunded on few special cases as given below

- Course postponed and the new date is not convenient for the student.
- Course cancelled in advance, well before the admission date.

## III. Course Fee Installment Structure

Students can pay the full fees as per schedule below

Fees	*Amount	Due Date (on or before)
Registration Fee	Rs. 1000/-	30/05/2024
Course Fee	Rs. 28000/-	05/06/2024
NSQF Course Registration fee	Rs 236/-	
NSQF Theory Exam fee	Rs 1180/-	
NSQF Practical Exam fee	Rs 354/-	
NSQF Project Evaluation Fee	Rs 590/-	
Total Fee	Rs 30360/-	

\*Above fees are inclusive CGST 9% and SGST 9%, and revision, if any by Government shall be applicable at the time of payment.

**For more details on course and examinations please refer Qualification file**

[Link to Course QUALIFICATION FILE](#)

**IV. Eligibility:** Any one of the following

- Completed 1st year of B.Tech/BCA/BSc
- Pursuing 1st year of B.Tech/BCA/BSc and continuing education
- Pursuing 3rd year of 3-year diploma after 10th and continuing education
- Completed 3-year diploma after 10
- Completed 2nd year of 2-year diploma after 12th
- Pursuing 2nd year of 2- year diploma after 12 and continuing education
- Previous relevant NSQF Level 3 qualification with minimum 8th Grade pass

**V. Number of Seats:** 30

**VI. Selection of candidates:** Based on marks in the qualifying exam.

**VII. Test/Interview** :Not Applicable

**VIII. Certificate Verification/Admission in Online Mode: 05-06-2024**

**IX. Important Dates(if applicable):**

Last date for submitting application : **30-05-2024**

Selection intimation through mail/website: **31-05-2024 (after 5pm)**

Certificate Verification/Admission: **05-06-2024**

**X. Course Timings:**

Live sessions covering Theory will be scheduled between 9.30 am to 5.00 pm. Prerecorded videos /Recorded videos of live sessions can be viewed any time of your convenience. Assignments and projects can be done any time of your convenience and submitted before the deadlines provided. Support for completing lab work/assignments will be provided at scheduled timings through live sessions or through online forums.

**XI. Placement:** Placement assistance will be provided.

**XII. NIELIT NSQF Examination**

To get NIELIT NSQF certification, participants should pass the examinations. **Participants should attend the online theory and practical examinations conducted by NIELIT HQ New Delhi, from either NIELIT Calicut or from a nearest NIELIT accredited/facilitation Centre.**

**XIII. Certificate**

Successful candidates will be issued certificate by NIELIT HQ, New Delhi through [certificate.nielit.gov.in](http://certificate.nielit.gov.in).

Candidates who do not attend / fail the online NSQF examination as per the norms, only digitally signed course completion certificate shall be issued (subject to fulfilling all the mandatory requirements mentioned under 'Terms and Conditions' below) by NIELIT Calicut to their registered e-mail ids.

**XIV. Lab Facilities**

The IT Lab is equipped with Intel Xeon Dual Processor based servers from HP, IBM, DELL, HCL, managed gigabit switches and more than 100 networked PCs with internet facility. SaaS, PaaS and IaaS open source cloud servers. A variety of software is available which includes various flavors of Windows and Linux Operating Systems like Windows, RedHat Enterprise Linux, Kali Linux, OpenStack, CloudStack, OpenVAS/Nessus and various commercial and open-source development tools, database and cloud servers.

**XV. Course Contents:** [Detailed Course Syllabus /Contents Link](#)

## **XVI. Terms and Conditions**

1. After the commencement of the course, candidates have to register in NIELIT portal at [student.nielit.gov.in](http://student.nielit.gov.in) for course registration and later for exam registration, as per the guidelines issued by the course coordinator.
2. In case any registered candidate could not attend the online session due to technical issues on their side there will not be any refund of the course fee and the sessions will not be repeated
3. In case the online course is cancelled /postponed due to some technical issue at NIELIT side and the new date is not convenient to the candidate, our liability is limited to the refund of the course fee and NIELIT shall not be responsible for any consequential damages.
4. No course/exam fee shall be refunded to candidates not attending/failing the examination. Only completion certificate shall be issued to such candidates subject to fulfilling all mandatory requirements mentioned below.
5. 60% attendance and feedback submission are mandatory for awarding 'successfully completed certificate' and is also subject to the candidate passing the exit test with minimum 50% marks.
6. Candidates failing in any of the NSQF examination components (theory/practical) can reappear for the failed component alone by paying the requisite fee.