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| C:\Users\Емил Йорданов\Downloads\logo.png | NIKOLA VAPTSAROV NAVAL ACADEMY | Erasmus+ BIP – Summer 2024 |



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| **Name of the BIP:** Fundamentals in Cybersecurity Summer Camp |
| **Organizer:** Nikola Vaptsarov Naval Academy | **ECTS credits for participating students:** 3 |
| **Online period:** 01-05 July 2024 | **Onsite period:** 08-12 July 2024 |
| **Academic coordinator:** CAPT (N) Assoc. Prof. PhD Nikolay VelikovAssistant Prof. Georgi Markov | **Administrative coordinator:** erasmus@nvna.eu |
| **Academic requirements:** 2nd and 3rd year of study with basic knowledge in Information Technologies | **Language requirement for students:** English B2 |
| **Nominations and number of students accepted:** Up to 15. For nominating, please send your students information to erasmus@nvna.eu before April 15th 2024. |
| **Content of the onsite program:** The course will cover the concepts of cybersecurity, Linux foundations, basics of computer networks and fundamentals of PowerShell. A one-day cultural program is planned. |

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| Module details |
| Online period – 01÷05 July 2024 |
| Main Topic | Recommended WH | Details |
| Cybersecurity Foundations | 2 | * Terminology
* History
* Cybersecurity Teams
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| Linux Foundations | 10 | * CLI
* File Editing
* Management
* Permission & Ownership
* User Management
* Software Management
* Log Management
* System Info Gathering
* SSH Basics
* Basic Shell Scripting
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| Networking Basics | 6 | * OSI Networking Model
* Routing
* NAT Concepts
* PCAP Forensics
* IDS/IPS Overview
 |
| PowerShell Fundamentals | 4 | * Modules
* Commands
* Objects and Data Piping
* Filtering and Formatting
* Remoting
 |
| Log Management | 4 | * Windows Event Logs
* Linux Syslog
* Event Analysis Basics - Wazuh
 |
| Basic Cybersecurity Concepts | 8 | * Blue Team Functions and Tasks
* Red Team Functions and Tasks
* Email Based Threats
* SIEM and SOAR
* SOC
* Password Cracking Countermeasures
* Privilege Escalation
* Lateral Movement
* Ransomware
* Data Breaches
* Governance, Risk, and Compliance
* Physical Security Considerations
 |
| Endpoint Security | 6 | * Endpoint Protection, Detection and Response
* Server Protection
* Microsoft Defender Antivirus
 |
| On-site period – 08÷12 July 2024 |
| Practice Tasks – CTF Challenges | 30 | * Linux
* Networking
* PowerShell
* Wireshark
* Splunk
* Elastic
* Ransomware
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| Total WH | **70** |  |