



ONE WEEK BOOTCAMP ON

CYBER SECURITY

Organized by:
GNA CYBER COMMUNITY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
FACULTY OF ENGINEERING, DESIGN AND AUTOMATION

October 10-14, 2022

About GNA University

GNA University (GU) is designed to be a leading higher education organization engaged in creating, preserving and imparting knowledge to a diverse community of students. GU aspires to nurture value-based leaders who have knowledge and skills to create success in their organizations. The University seeks to improve the quality of life through eclectic blend of science, technology and humanities for innovative solutions to real life problems. The University is engaged in imparting, creating, preserving and propagating knowledge in the global context. The unique feature of the programs conducted at the University is the focus on experiential learning, industrial internships, learning to learn principles, flexible, credit-based study programs and holistic development of personality which in turn will ensure employability of the students. GNA University benchmarks itself with leading institutions across the world in terms of intellectual capital, academic quality, delivery practices and industry linkages. The University credo includes focus on meritocracy, transparency, accountability, ethical behavior and service orientation.

About Department of Computer Science & Engineering

The Department of Computer Science and Engineering offers 4-year B.Tech. programme in Computer Science Engineering with specializations in Full Stack Development, Cyber Security, Cloud Computing and Data Analytics. It also offers M. Tech and Ph.D. in Computer Science and Engineering. The department has various MoUs with Oracle, Palo Alto, Amazon Web Services, Git Hub, EC-Council University etc. for inculcating skill-based learning. At the undergraduate level, the Department lays emphasis on skill-based learning along with basic courses like Data Structures, Software Engineering, Algorithm Analysis and Design, Operating Systems, Computer Graphics, Database and information Systems Engineering and Networking Technologies. The Department provides exposure to emerging technologies as well as futuristic technologies like Cloud Computing, Software and Web Development, Machine Learning and Data Analytics, Information and Cyber Security. The focus of the department is on state-of-the-art projects done by our BTech and MTech students, excellent teaching learning process, better alumni relations, good industry attachment program through project semester and outcome-based education.

ABOUT GNA CYBER COMMUNITY

GNA Cyber Community at GNA University is the community of Cyber Security enthusiasts working and learning together to support and nurture the next generation of experts in the domain. We at Cyber Community are driven by the vision of making the digital world much more secured and reliable.

BOOTCAMP CONTENT

Cyber Security bootcamp helps the learners to upgrade their tech skills and train for new computer science careers. This short, intensive program will deliver practical, career-focused skills training. The following topics will be featured in the bootcamp:

- Enterprise Security
- Networking Concepts
- Networking Security
- OWASP Top 10 Tools
- Ethical Hacking
- Penetration Testing & VAPT
- Threat Hunting
- Cryptography

Note: The detailed Schedule is Attached



Eligibility

- Faculty from University/Institute with relevant background.
- Candidates from Industries and R&D organizations.
- Research scholars, UG/PG students with related discipline.
- Students who are curious to learn Cyber Security concepts.

Resource Persons

- This workshop is in collaboration with other organizations/Institutions/Industries/Individuals which have expertise in that area.
- Eminent Professors and Experts in the areas of Cyber Security from Industries.

Registration Fee

Industry Participants	Rs. 2000
Academicians and Research Scholars	Rs. 1500
Students from other Universities/ Colleges	Rs. 1000
Students from GNA University	Rs. 500

Note: In case anyone needs accommodation, extra amount of Rs. 1000 will be charged.
Limited Seats are available. Selection will be made on First Come First Serve Basis.

Payment Options

Bank Name: Karur Vysya Bank
Bank Account No: 4303138000000011
Account Name: GNA University
Branch Address: The Karur Vysya Bank Ltd. ES-66, Adj. V Mart,
Near Jyoti Chowk, Jalandhar 144001
IFSC Code: KVBL0004303
Swift Code: KVBLINBBIND

For Online Payment via Paytm



Organizing Committee

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Patron

S. Gurdeep Singh Sihra

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Student Committee

Mr. Gurjot Singh

Mr. Debjit Mohapatra

Mr. Dommeti Teja Vivek

Mr. M.Bhanu Prakash

Mr. Inderpreet Singh

How to Apply

Click on the below mentioned link to fill the registration form:

<https://forms.gle/REYHYNvheCtFAvv36>



For Further queries, Contact

Dr. Anurag Sharma : 97790-50999

or

Mr. Gurjot Singh

(Student Organizer, CSE Department, FEDA-E, GNA University)

Mobile: +91- 94647 30025

Mr. Debjit Mohapatra

(Student Coordinator, CSE Department, FEDA-E, GNA University)

Mobile: +91- 81148 69558

Sri Hargobindgarh, Phagwara-Hoshiarpur Road,
Phagwara, Punjab 144401 (INDIA)
Toll Free: 1800-137-7006 | Landline: 01824-504999
Mobile: +91-8288050007 | +91-9876200089
E-mail: admissions@gnauniversity.edu.in



Scan here to
find our
location on
Google map.



One Week Boot Camp on Cyber Security

(October 10, 2022 To October 14, 2022)

Department of Computer Science And Engineering

(Faculty of Engineering, Design and Automation)

Tentative Schedule

Days	(Morning 9:30 AM to 12:30 PM)		(Afternoon 1.30 PM to 3:30 PM)
October 10, 2022 (Monday) Day 1	Inauguration of Event Enterprise Security Cyber Security, Malware, Attacks, Risk Management etc.... Cyber Hackathon Starts	Break	Networking concepts IP Sub-netting Gateway & Routers With Configuration, SSH and Telnet Protocols, etc....
October 11, 2022 (Tuesday) Day 2	Network Security Firewall, IDS, IPS, Network Access Control, Identity Access management, Authentication System and etc...		OWASP Top 10 Tools SQL Injections, Click-jacking, XML External Entities (XXE), Cross Site Scripting (XSS), etc.....
October 12, 2022 (Wednesday) Day 3	Ethical Hacking Security & Vulnerability Testing, Breach Attack Simulation. Vulnerability Assessment Vulnerability database, Common Vulnerabilities etc...		Penetration Testing Password Hacking, Use of Metasploit Framework, Avoiding Detection, Foot-printing Advance Penetration Testing Red & Blue team operations, Bug Bounty Program, Penetration testing Report Writing, etc....
October 13, 2022 (Thursday) Day 4	Threat Hunting Ransomware and Malware Analysis, Secure Design Principles, Negotiate/Pay Ransom, Anatomy of Ransomware Attack etc....		Advance Malware Protection Ransom Decryption and Removal Tools and the future of Malware Capabilities etc...;
October 14, 2022 (Friday) Day 5	Cryptography Hashing, Digital Signature, Digital Certificate, Encryption, API Security, Common API Vulnerabilities, How to stop API Attack?, Secure Configurations etc....		Submission of Project on GitHub Repository And Valedictory

Note:

- Refreshments will be provided.
- You all have to come with your Laptops.
- All OS (Operating System) and other Requirements will be shared on your Registered mails.
- For Hackathon themes will be given on the spot, and on last day you have to submit your project in Git-Hub.