Brief Description

This open course is designed to provide participants with a comprehensive understanding of ethical hacking, blockchain, and Web3 technologies, along with their innovative applications. Over a span of 30 hours, learners will engage in sessions covering topics such as cyber security, ethical hacking techniques, blockchain fundamentals, and the principles of Web3 technologies.

The course emphasizes a practical approach, with hands-on sessions and real-world use cases, enabling participants to grasp the concepts and develop solutions to address pressing challenges using cutting-edge methods and technologies.

By engaging in hands-on sessions and exploring real-world use cases, learners will develop the ability to design and develop innovative solutions using contemporary methods and technologies. The course brings together experts from both academia and industry.

Learning Outcomes

- Explore the fundamentals, principles, various tools, methods and techniques of Cybersecurity, Blockchain and Web3 technologies.
- Discuss the state-of-art technological trends, in-line with industry needs.
- Apply the practical skills to develop blockchain based decentralized applications with smart contracts.

Open Course Registration Details

Registration fees: ₹ 400/-

SCAN ME

Faculty Co-ordinator:
Dr. Arun Kumar B R
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BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT
(AN AUTONOMOUS INSTITUTION AFFILIATED TO VTU)

COMPUTER SOCIETY OF INDIA · ESTD. 1965

Open Short-term Course:
Hands-on training on
Ethical Hacking, Blockchain & Web3 Technologies

12th June 2023 – 16th June 2023

NFThing ™

INDIA FACES SHORTAGE OF CYBERSECURITY TALENT

60% of Indian firms have unfilled cybersecurity positions
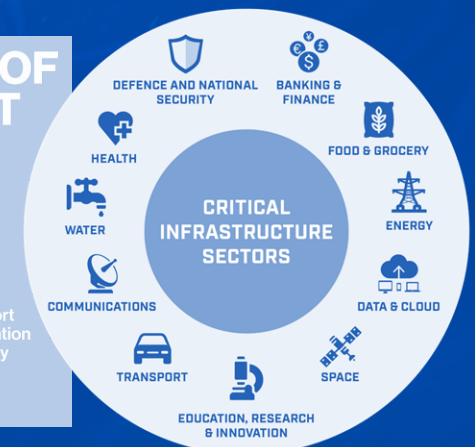
42% companies say their cybersecurity teams are understaffed

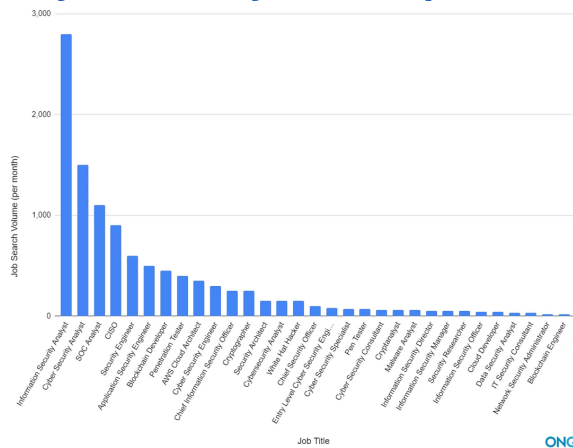**65%** companies report difficulties in retention of cybersecurity talent

Source:ISACA Survey

CRITICAL INFRASTRUCTURE SECTORS

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Cyber Security Jobs in top demand

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Job Descriptions in Cyber Security, Blockchain and Web3

- Develop and implement robust cyber security strategies, policies, and procedures to protect systems, networks, and data from potential threats and vulnerabilities.
- Design and implement secure blockchain solutions for various use cases, leveraging platforms such as Ethereum, Hyperledger, or Corda.
- Integrate Web3 protocols into products and services, collaborating with external partners.
- Stay updated on cyber security, blockchain, and Web3 advancements, providing recommendations for improvement.

Top Recruiters in the Cyber Security, Blockchain and Web3 Space

Ugam Solutions	HTC Global	First Source	FIGMD
Ecolab	Jones Lang LaSalle JLL	Diacto Technologies	eClerx
WNS	Marsh & McLennan	Mactores	Devisemath
SagasIT Analytics	Indium Software	Vikatan	Globussoft
Simplyfy360	CGI	TEK Systems	Wyzmindz Solutions
Intellectfaces	Positiveedge Technology	Perflos	EpicMinds
AimLeaps	Info Drive Analytics	Positive Edge	Onceirre

About the Course

Cyber security is a thematic area of application development and research today. The topic is the need of the hour as securing assets involving financial and sensitivity information is a key challenge. The topics in Cyber security are interdisciplinary across other field of engineering. Block chain technology and web 3 technologies plays significant role in redefining cyber security.

In this open course participants will get insights of Cyber security, Ethical hacking, Blockchain, and Web 3 technologies and implementations in strengthening the cyber security and analysis . This open course is interesting, attractive and motivating since experts share their knowledge by presenting case studies and projects along with hands on sessions.

"By 2025, India is projected to have more than 1.5 million unfulfilled job vacancies in cybersecurity, highlighting the shortage of experts in this field. Empower your career & unlock the world of cybersecurity."

Resource Persons

Dr. Arun kumar B R, Professor, CSE, BMSIT&M
Dr. Tejaswini B J, HoD, HSS, BMSIT&M
Dr. Usha B A, Professor, ISE, BMSIT&M
Dr. Anjan K, Professor, ISE, BMSIT&M
Prof. Reshma C R, Asst. Professor, MCA, BMSIT&M
Dr. Manish Kumar, Asst. Professor, RIT
Sri. Kushal Lokesh, CTO, NFThing
Sri. Nakul, Research Analyst, NFThing

Session Schedule

Sl. No.	Date	TOPICS COVERED 8:30 to 10:30 am	BREAK 10:30 to 10:50 am	TOPICS COVERED 10:50 to 12:50 pm	BREAK 12:50 to 1:50 pm	TOPICS COVERED 2:00 to 4:00 pm	FEEDBACK 4:00 pm to 4:30 pm
1	12.06.2023	Introduction to Cyber security		Major cyber security attacks Hands-on Sessions		IT Act 2000 (Cyber Law)	
2	13.06.2023	Ethical hacking- Hands-on approach		Ethical hacking- Hands-on approach		Ethical hacking- Hands-on approach	
3	14.06.2023	Block chain Technology and its applications, Orientation of web3 using Theatre of the Oppressed	TEA BREAK	Web1 to Web3: A Journey Through the Evolution of the Internet	LUNCH BREAK	On values and ethics of web3 community	OVERALL FEEDBACK & ASSESSMENT
4	15.06.2023	Non-fungible token (NFTs), Cyber security awareness – Hands on		Cyber security awareness – Hands-on, Block chain Technology for Spectrum Management in Cognitive Radio Networks		Blockchain demystification and the philosophy, values and ethics of the web3 community through theatre	
5	16.06.2023	Cognitive Security, Block chain Smart Contract Use cases Hands-on		Block chain Smart Contract Use cases Hands-on		Blockchain Smart Contract Use cases Hands-on	