AMRITA VISHWA VIDYAPEETHAM
DEEMED TO BE UNIVERSITY UNDER SECTION 3 OF UGC ACT. 1956

SCHOOL OF COMPUTING

Amaravati | Amritapuri | Bengaluru | Chennai | Coimbatore

5TH BEST UNIVERSITY nirf NATIONAL INSTITUTIONAL RANKING FRAMEWORK

A++ GRADE ACCREDITATION NAAC NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

92% STUDENTS PLACED* in 2022

₹56.95 LAKH P.A. HIGHEST CTC

₹7.1 LAKH P.A. AVERAGE CTC

160+ INTERNATIONAL COLLABORATIONS WITH LEADING UNIVERSITIES

*Placements ongoing

MOVE TO THE FUTURE

HIGHER-ED CONCLAVE '22

CENTRE OF EXCELLENCE IN CYBER SECURITY

OUR ALUMNI WORK WITH GLOBAL LEADERS

CISCO | Groww | salesforce | RSA SECURITY™ | EY Building a better working world | ABB

DISCOVER WORLD-CLASS OPPORTUNITIES WITH STUDENT EXCHANGE PROGRAMMES

EMINENT UNIVERSITY PARTNERS

KTH VETENSKAP OCH KONST | UCDAVIS | DATA CENTER eureca PROJECT | THE UNIVERSITY OF NEW MEXICO | VU VRIJE UNIVERSITEIT AMSTERDAM | DEAKIN UNIVERSITY AUSTRALIA | THE PENNSYLVANIA STATE UNIVERSITY · 1855 · | RWTH AACHEN UNIVERSITY | University at Buffalo

B.TECH COMPUTER SCIENCE (CYBER SECURITY)

This programme is intended to mould students into well prepared **Cyber Security Professionals** and has been designed with a good balance between **theoretical** & **practical aspects, analytical** and **architectural methods** complemented by **academic research** and **industry best practices.** Students will gain a thorough understanding of the Cyber Security landscape with its growing threats and vulnerabilities in the world of computing including software and hardware.

Students will acquire and demonstrate the ability to use standard tools, practices and technologies for the **analysis, design, development** and **implementation** of innovative and optimal Cyber Security solutions without compromising the privacy needs of individual and entities and the **security concerns** of **law enforcement agencies.**

LAB INFRASTRUCTURE

- *Machine Learning Lab*
- *Secure Coding Lab*
- *Intrusion Detection System Lab*
- *Steganography Lab*
- *Digital Forensics Lab*
- *Computer Science Lab*
- *Blockchain Technology Lab*
- *Android Security Lab*

CYBER SECURITY WORKING GROUP

B-RIG
Blockchain-Research Interest Group aims to create awareness and interest in emerging technology among the student community.

OSINT
Open-source intelligence (OSINT) is the act of gathering and analysing publicly available data for intelligence purposes.

FOSS
Focused on contributing to Free and Open-Source Software and mentoring students to achieve excellence in various fields of Computer Science.

VAPT
It is the process of scanning for vulnerabilities and exploiting them to evaluate a system's security posture.

CTF
It is an exercise in which "flags" are secretly hidden in purposefully-vulnerable programs or websites.
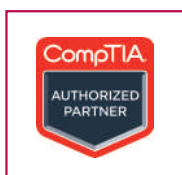
SOC
A security operations center (SOC) is a facility that houses an information. security team responsible for monitoring and analysing an organisation's security.

CYBER REACH
One-stop cyber locale to compliment an individual's digital health and a progressively safer space

CYBER SECURITY CERTIFICATIONS

CompTIA AUTHORIZED PARTNER | CISCO Networking Academy | mile2 | MALTEGO | EC-Council | KBA | SkillsDA Center for advance training

SPECIALISATIONS

- *Applied Cryptography*
- *Data Structures and Algorithms*
- *Principles of Programming Languages*
- *System Security*
- *Artificial Intelligence and Neural Networks*
- *Cyber Forensics*
- *Secure Software Engineering*
- *Secure Coding*
- *Digital Communication*
- *Web Application Security*

RESEARCH AREAS

- *Android Security*
- *Artificial Intelligence for Cyber Security*
- *Blockchain Technologies*
- *Cryptology*
- *Cyber Forensics*
- *Formal Methods*
- *Malware analysis*
- *Multimedia Security*
- *Software Obfuscation*
- *Vulnerability Analysis*
- *Wired and Wireless Network Security*

SKILLS DEVELOPMENT PROGRAMME

Futuristic and Industry Driven Programme: Industry-demanded certifications

Weekend Programme: Eminent lecture series

Internship Opportunities

Student exchange programmes

Participation in various competitions

Seminars and workshops

TIFAC-CORE - The centre for Cyber Security was identified by TIFAC (Department of Science & Technology, Govt. of India) as a CORE in Cyber Security in September 2005. The TIFAC-CORE in Cyber Security gives significant thrust to the frontier areas of Cyber Security, including technology, practice, management, and policy issues. This TIFAC-CORE in Cyber Security at Amrita is a collaborative alliance of academic and industrial partners.

COURSE OFFERED IN

Chennai
Coimbatore

📞 044 4627 6066 (Admissions)

SCAN TO APPLY