



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

A⁺⁺
GRADE ACCREDITATION
NAAC

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

MOVE TO THE FUTURE

HIGHER-ED CONCLAVE '22

*Placements ongoing

**CENTRE OF EXCELLENCE
IN CYBER SECURITY**

OUR ALUMNI WORK WITH GLOBAL LEADERS



**DISCOVER WORLD-CLASS OPPORTUNITIES WITH
STUDENT EXCHANGE PROGRAMMES**

EMINENT UNIVERSITY PARTNERS



UCDAVIS



**RWTH AACHEN
UNIVERSITY**



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



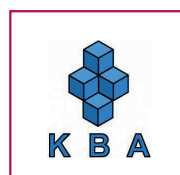
A security operations center (SOC) is a facility that houses an information security team responsible for monitoring and analysing an organisation's security.

CYBER REACH



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

CYBER SECURITY CERTIFICATIONS



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

