

About Cyber Security

Cyber Security covers a wide range of topics in Computer Science and Engineering, including computer languages, Cyber Security, Database Technology, analytics, system software, software development, computer networks, and other related topics.

Furthermore, the Program seeks to provide students with specific tools, techniques, and processes for defending networks, computers, e-resources, programs, and data against attack, damage, and illegal activity.

Cyber Security program is one ideal course where you get the opportunity to get hired by top MNCs like the Zoho, Tata consultancy services, Wipro, Infosys, Cognizant, IBM, etc.

This curriculum aims to ensure that the students graduating from the program not only know the core topics of Computer Science but also develop an equal appreciation of humanities, management sciences and human values.



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Highlights

- The faculty are members of professional bodies like IEEE, CSI, ISTE, ACM etc.,
- The Department has a library with over 917 books and back Volumes.
- Students are motivated by doing In-House projects.
- Every Year Department conduct National Level Technical Symposium and conference (National / International) to develop Students Technical Skills, Cooperation to conduct Events, Innovative Ideas related to course of study.

Future Career Opportunity

- Students who complete a Cyber Security can seek higher education alternatives in the same industry to gain an advantage and better pay packages.
- In today's business world, there is a huge market for cyber security expertise. Because of the increasing number of cyber-attacks, the industry's recruitment and career opportunities are more diverse than ever, expanding the breadth in Data Science even further.
- Cyber security students can also work as application analysts, security experts, security engineers, or security architects.
- The department has sufficient and efficient faculty members whose areas of expertise and research include Data Science, Information Security etc.



S.A. ENGINEERING COLLEGE

(An Autonomous Institution,
Affiliated to Anna University, Chennai)

Accredited by NBA, NAAC with 'A' Grade &
ISO 9001:2015 Certified Institution

Poonamallee - Avadi Main Road, Veeraraghavapuram,
Thiruverkadu, Chennai - 600 077.

DEPARTMENT OF CSE
(CYBER SECURITY)

Counselling Code : 1114

www.saec.ac.in

Labs

AUGUST KERCKHOFFS LAB

- Problem Solving and Python Programming Laboratory
- Programming in C Laboratory
- Fundamentals of Computer Science Laboratory

BOB THOMAS LAB

- Data Structures Lab
- Database Management Systems Lab
- Network Security Lab
- Mini Project -1

ANDREAS LÜNING LAB

- Mobile and Application Security Lab
- Information Security Lab
- Data Forensics Lab
- Information Security Lab
- Mini Project -2

KAI FIGGE LAB

- Application Security lab
- Social Engineering Lab
- Project Work



Teaching Methodology

The Teaching methodology adopted is in complete synergy with the latest, ever evolving market challenges and trends. Intensive trainings are provided to improve communication skills and to establish them to work in teams. Our interactive, innovative teaching methodologies prepare our students for this program career as Software Developers, System Designer, web developers, Project Team Associate and Leaders etc. This program enables the students to acquire multidimensional approach of computing knowledge and understanding the problems to solve deep, imagination and sensitivity to a variety of concerns.



Program Outcomes

Cyber Security students specialize in a variety of areas, including the Dark Web, computer hacking, cyber warfare, digital forensics, and so on. They could also opt to work on the application, network, or data security solutions.

Cyber security is a very new and unique sector that is rapidly expanding these days. As more people return to internet services, there has been an increase in online crimes and frauds. This raises the potential for cybersecurity experts particularly in-house experts, who would be paid well.

Businesses are realizing the value of Cyber Security as a recognized specialty and are hiring in-house experts. In the meantime, there is a scarcity of such professionals, but demand is increasing every day. This also leads to fantastic pay packages and stable employment.

