B.Sc. COMPUTER SCIENCE AND CYBER SECURITY



About the Programme:

A three-year Bachelors' Degree Programme recognized by Osmania University that deals with programming and the practice of safeguarding servers, computers, networks, and data from malicious electronic attacks. This program of Computer Science - Cyber Security is intended to mould students into well prepared cyber security professionals and has been designed with a good balance between theoretical & practical aspects, academic research and industry best practices. The curriculum is specially prepared by experts covering all the needs and aspects of a cyber security engineer. Students will learn and acquire the necessary theoretical background and insights into hands-on technical aspects of cyber security. They will cultivate an proficiency into the growing threats and vulnerabilities of the cyber era. They will proficiently probe into the growing threats and vulnerabilities of the cyber era and provide some solutions.

Courses Offered

- Programming like C,C++, and Java
- Ethical Hacking
- Computer Forensics
- Linux Administration
- · Web Application and Penetration Testing
- Secure-Ecommerce
- Web & Database Security
- · Python for Cyber Security
- · Cryptography and Network Security
- · Wireless Networks and Security
- · Cyber Laws and IPR
- Computer Networks
- Operating Systems
- DBMS
- Software Engineering

WHAT IS UNIQUE ABOUT LOYOLA'S B.Sc. COMPUTER SCIENCE & CYBER SECURITY?

- Work on-the-job training, and internships.
- Practical exposure conducting workshop
- Industry Visits.
- Guest Lectures/Seminars with industry experts.
- An Exclusive recruitment drive.
- Enhancing analytical skills/team work abilities/personality development.
- · Being readily employable
- Acquire hands-on experience of working on various cybersecurity real-world problems.



Career Opportunities:-

After successful completion, students will be placed as

- Software Engineer
- Cybersecurity Engineer
- Network Security Engineer
- Cyber Security Analyst
- Ethical Hackers
- IT Analyst

Higher Education Opportunities:-

Students are also eligible to pursue higher education in :-

M.Sc.(Computer Science), M.Sc.(IT), MSc. (Information Security), MSc (Cyber Security), MCA, MBA or any other allied program.



Eligibility Criteria:

Candidates must have completed 10+2 or passed with minimum of 60% or above with MPC/MEC at Intermediate level.