

# B.Sc. Computer Science & Internet of Things

## WHAT IS UNIQUE ABOUT LOYOLA'S B.Sc. COMPUTER SCIENCE & INTERNET OF THINGS?

Loyola's B.Sc. Computer Science & Internet of Things program offers a unique blend of theoretical knowledge and practical experience, ensuring students are well-equipped with both core computer science principles and the latest industry standards in IoT.

- **Comprehensive Curriculum:** Students gain expertise in core computer science subjects while also delving into the intricacies of Internet of Things technologies.
- **Industry Integration:** The program emphasizes on-the-job training, internships, and industry visits, providing students with real-world exposure and ensuring they are up-to-date with current industry practices.
- **Practical Learning:** Through workshops and hands-on projects, students receive practical exposure to IoT applications, enabling them to apply theoretical concepts in real-world scenarios.
- **Exclusive Recruitment Opportunities:** Loyola organizes exclusive recruitment drives, connecting students with potential employers and enhancing their employability.
- **Soft Skills Development:** The program focuses on enhancing students' analytical skills, teamwork abilities, and personality development, ensuring they are well-rounded professionals ready to excel in the workplace.
- **Employability:** With a strong emphasis on practical experience and industry-relevant skills, graduates of Loyola's CSIoT program are readily employable, equipped to tackle the challenges of the rapidly evolving technology landscape.

**The Internet of Things will augment your Brain**



## About the Programme:

- The program offered by Osmania University is a three-year Bachelor's Degree that focuses on programming and understanding IoT systems. It covers various concepts, terminologies, and architectures of IoT, as well as the use of sensors and actuators in IoT design. Additionally, students learn about protocols for IoT systems, techniques for data storage and analytics, and explore applications of IoT.
- This course utilizes modern approaches to software systems development, providing a blend of theoretical knowledge and practical skills. Topics include programming fundamentals, software design methods, wireless sensor networks, development of secure IoT systems, data structures, algorithms, big data analytics, and product design.
- Upon completion, graduates are equipped for diverse career opportunities, ranging from programming and developer roles to software engineering. IoT applications span across industries such as healthcare, security, transportation, smart homes, entertainment, education, agriculture, and urban development.



## Infrastructure Facilities

- Spacious Campus
- Excellent laboratories that provide the best practical knowledge to the students
- Good infrastructure
- College Hostel
- Medical facilities
- Bank
- Innovation Centre
- Cafeteria
- Stationery

## Placements/Higher Education/Soft Skills

- CRT training is provided for students to secure placements in campus interviews.
- Academic Consultants for higher Education.
- Soft skills classes are conducted to improve communication skills.

## Library and Information Center

- Delnet
- Infflibnet
- Online Journals
- Books

## Activities of the Department:

- Industrial visits are organized every year to improve students' learning skills.
- Parent-teacher meetings are conducted every semester to improve communication between teachers and parents.
- Science Day to explore student talents through a project exhibition
- E-lab to school and mobile lab programs
- Workshops, seminars, internship programs, and minor projects



## Career Opportunities:

After successful completion, students will be placed as

- IoT Developer
- IoT Infrastructure Architect
- IoT Systems Administrator
- Scientific Assistant
- Industrial Data Scientists
- Industrial Engineer
- Robot Coordinator



## Higher Education Opportunities:

Students are also eligible to pursue higher education in:

- M.Sc. (Big Data Analytics)
- M.Sc. (Computer Science)
- M.Sc. (Data Science)
- M.Sc. (Information Security)
- M.Sc. (Information Technology)
- M.C.A
- MBA or any other allied program.



## ADMISSION GUIDELINES

Candidate must have completed 10+2/ Intermediate passed with minimum of 60% with MPC / Dip. in EET/ Dip. in ECE / Dip. in EEE

**Learn  
& Act**



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