

"Empowering Future, Unleashing Innovation"

Computer Science and Software Development Innovation

The Bachelor of Science in Computer Science and Software Development Innovation (CSI) program is designed to develop learners into full-stack software developers. Currently, driving business in the digital age requires the use of software applications and digital platforms that can work intelligently (Smart), such as intelligent buying-selling systems that can analyze customer behavior (Customer Insight), can predict and predict new needs and future sales.

Duration of the Program: - 4 years (8 Semesters);

With total credit: - 133

Scope and Career



Software Developer

Designs and builds software applications to meet user and business needs.



Programmer

Writes and tests code that powers software, websites, and systems.



Data Analyst

Interprets and analyzes data to help organizations make informed decisions.



Why CS.IT at Yeti?

The Bachelor of Science in Computer Science and Software Development Innovation (CSI) program at Yeti College offers a professionally designed curriculum that combines theoretical knowledge with practical training in core technical areas such as Software development, System analysis and designing, Software work, programmer, data analyst, data scientist technology. With modern training labs, expert faculty, and strong industry ties, students gain hands-on experience and internship opportunities both locally and abroad. The program also focuses on soft skills, leadership, and entrepreneurship, preparing graduates for successful careers in the global technology industry.



Software Engineer

Develops, tests, and maintains software solutions with a focus on efficiency and scalability.



Data Scientist

Uses advanced analytics, AI, and statistics to extract insights and predict trends from complex data.

Computer Science and Software Development Innovation

Study Locally, Explore Globally...

Branch Highlights

Knowledge of information technology and practical skills go hand in hand.

1. The CSI curriculum focuses on developing the potential of learners to become full-stack software developers, "writing, completing, finishing in one person", which is modern and the country's digital industry has a very high demand for personnel in this line of work.
2. The CSI curriculum enhances digital technology skills ABCDI

- A: **AI** (Artificial Intelligence)
- B: **Block chain**
- C: **C**loud Computing
- D: Big **D**ata
- I: **IoT** (Internet of Things)
as a tool to help learners use technology to create new innovations.

Total Credits: 133

General Education Courses – 30 Credits

- Humanities and Social Sciences Group – 10 Credits
- Language and Communication Group – 12 Credits
- Mathematics and Science Group – 8 Credits

Free Elective Courses – 15 Credits

Specialized Courses – 88 Credits

- Basic Professional Courses – 12 Credits
- Core Professional Courses – 46 Credits
- Elective Professional Courses – 30 Credits

Professional Elective Groups:

- Software Full Stack Development
- Data Science
- Mobile Application Development
- Internet of Things (IoT)
- Cooperative Education/Internship

STUDY PLAN

Computer Science and Software Development Innovation (New)

The Bachelor of Science in Computer Science and Software Development Innovation (CSI) program is designed to develop students into full-stack software developers. Currently, businesses in the digital age demand intelligent software applications and digital platforms, such as intelligent trading systems that analyze customer behavior (Customer Insight), predict new needs, and future sales.

Furthermore, new businesses driven by digital technologies such as artificial intelligence (AI), blockchain in the form of cryptocurrencies, and new investment models such as DeFi, NFTs, and the Metaverse all require modern software developers with skills in business needs analysis, software design, front-end user interface development, and software development that interfaces with various support systems such as databases, big data, and cloud systems. This can be interpreted as a "one-stop shop" full-stack software developer.

Currently, both the public and digital industries are in high demand for full-stack software developers. The Computer Science and Software Development Innovation program meets the country's demand for software development personnel. Students will develop their knowledge, skills, and experience. Collaborate with the industry, including speakers and a working environment with real people and real experiences.

