

Module 1: Foundations of Computing

- Computing: <https://en.wikipedia.org/wiki/Computing>
- History of Computing: https://en.wikipedia.org/wiki/History_of_computing
- Computer Science: https://en.wikipedia.org/wiki/Computer_science
- Information: <https://en.wikipedia.org/wiki/Information>
- Data (Computing): [https://en.wikipedia.org/wiki/Data_\(computing\)](https://en.wikipedia.org/wiki/Data_(computing))
- Digital Data: https://en.wikipedia.org/wiki/Digital_data
- Analog Signal: https://en.wikipedia.org/wiki/Analog_signal

Module 2: Computer Systems Overview

- Computer: <https://en.wikipedia.org/wiki/Computer>
- Central Processing Unit (CPU): https://en.wikipedia.org/wiki/Central_processing_unit
- Computer Memory: https://en.wikipedia.org/wiki/Computer_memory
- Computer Data Storage: https://en.wikipedia.org/wiki/Computer_data_storage
- Input/Output: <https://en.wikipedia.org/wiki/Input/output>
- Von Neumann Architecture: https://en.wikipedia.org/wiki/Von_Neumann_architecture

Module 3: Software Fundamentals

- Software: <https://en.wikipedia.org/wiki/Software>
- Operating System: https://en.wikipedia.org/wiki/Operating_system
- Open-source Software: https://en.wikipedia.org/wiki/Open-source_software
- Proprietary Software: https://en.wikipedia.org/wiki/Proprietary_software
- Systems Development Life Cycle: https://en.wikipedia.org/wiki/Systems_development_life_cycle

Module 4: Number Systems and Data Representation

- Binary Number: https://en.wikipedia.org/wiki/Binary_number
- Hexadecimal: <https://en.wikipedia.org/wiki/Hexadecimal>
- Numeral System: https://en.wikipedia.org/wiki/Numeral_system
- ASCII: <https://en.wikipedia.org/wiki/ASCII>
- Unicode: <https://en.wikipedia.org/wiki/Unicode>
- Data Representation: https://en.wikipedia.org/wiki/Data_representation

Module 5: Programming and Algorithms

- Programming Language: https://en.wikipedia.org/wiki/Programming_language

- Low-level Programming Language: https://en.wikipedia.org/wiki/Low-level_programming_language
- High-level Programming Language: https://en.wikipedia.org/wiki/High-level_programming_language
- Compiler: <https://en.wikipedia.org/wiki/Compiler>
- Interpreter: [https://en.wikipedia.org/wiki/Interpreter_\(computing\)](https://en.wikipedia.org/wiki/Interpreter_(computing))
- Algorithm: <https://en.wikipedia.org/wiki/Algorithm>
- Flowchart: <https://en.wikipedia.org/wiki/Flowchart>
- Structured Programming: https://en.wikipedia.org/wiki/Structured_programming

Module 6: Internet and Networking

- Computer Network: https://en.wikipedia.org/wiki/Computer_network
- Internet: <https://en.wikipedia.org/wiki/Internet>
- World Wide Web: https://en.wikipedia.org/wiki/World_Wide_Web
- Web Browser: https://en.wikipedia.org/wiki/Web_browser
- IP Address: https://en.wikipedia.org/wiki/IP_address
- Domain Name System: https://en.wikipedia.org/wiki/Domain_Name_System
- Computer Security: https://en.wikipedia.org/wiki/Computer_security
- Cybersecurity: <https://en.wikipedia.org/wiki/Cybersecurity>

Module 7: Emerging Areas and Applications

- Artificial Intelligence: https://en.wikipedia.org/wiki/Artificial_intelligence
- Cloud Computing: https://en.wikipedia.org/wiki/Cloud_computing
- Internet of Things: https://en.wikipedia.org/wiki/Internet_of_things
- Big Data: https://en.wikipedia.org/wiki/Big_data
- Data Science: https://en.wikipedia.org/wiki/Data_science
- Blockchain: <https://en.wikipedia.org/wiki/Blockchain>

Module 8: Lab Module (Practical Activities)

- File Manager: https://en.wikipedia.org/wiki/File_manager
- Visual Studio Code: https://en.wikipedia.org/wiki/Visual_Studio_Code
- Python (programming language): [https://en.wikipedia.org/wiki/Python_\(programming_language\)](https://en.wikipedia.org/wiki/Python_(programming_language))
- Email: <https://en.wikipedia.org/wiki/Email>
- Internet Safety: https://en.wikipedia.org/wiki/Internet_safety