Curriculum of Computer Science Engineering BSc

Economics

Management

Basics of Law

Business Economics

Soft Skills

Mathematics for Computer Science 1

Basic Mathematics

Calculus 1

Physics

Electricity

Calculus 2

Algorithms and Data Structures

Probability and Statistics

Mathematics for Computer Science 2

Digital Electronics 1

Computer Networking Fundamentals

Programming 1

Digital Electronics 2

Introduction to Microprocessor Systems

Programming 2

Computer Architectures 1

Databases

Signals and Systems

Operating Systems

Programming Paradigms and Techniques

Comprehensive Exam in Programming

Database Systems

Introduction to Information System Security

Linear Control Systems

Enterprise Resource Planning Systems 1

Visual Programming

Web Programming 1

Advanced Programming Techniques

Software Engineering

IT Project

Network Security and Operation Specialization:

Network Administration 1

Network Configuration and Management

Enterprise Resource Planning Systems 2

Cloud based Services

Introduction to Artificial Intelligence

Network Administration 2

Network Security

Ethical Hacking

IT Service Management

Industrial Informatics Specialization:

Computer Architectures 2

Industrial Robotics 1

Electronics

Development of Microcontroller Based Systems

Industrial Information Systems

Introduction to Artificial Intelligence

Digital Signal Processing

Industrial Image Processing

Industrial Robotics 2

Mobile and Web Application Specialization:

Java Applications

Server Side Applications

Developing Mobile Applications 1

Introduction to Artificial Intelligence

Web Programming 2

Cloud based Services

Developing Mobile Applications 2

Game Development

Application Development Using Web Technologies

Others:

Physical Education 1

Physical Education 2

English for Computer Science 1

English for Computer Science 2

Thesis

Mandatory Internship (8 weeks)